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OM nucleic - nucleic search, using sw model

Run on: October 7, 2005, 17:30:12 ; Search time 919 Seconds

(without alignments)
11440.109 Million cell updates/sec

Title: US-10-689-742-159

Perfect score: 1776
Sequence: 1 agctcacagtgcggcg...ctgtgaaaaaaaaaaaaa 1776

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 8780412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : N_Geneseq_16Dec04:*

1: Geneseqn1980s: *
2: Geneseqn1990s: *
3: Geneseqn2000s: *
4: Geneseqn2001as: *
5: Geneseqn2001bs: *
6: Geneseqn2002as: *
7: Geneseqn2002bs: *
8: Geneseqn2003as: *
9: Geneseqn2003bs: *
10: Geneseqn2003cs: *
11: Geneseqn2003ds: *
12: Geneseqn2004as: *
13: Geneseqn2004bs: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1776	100.0	1776	2	AA33810 Coding se
2	1764.4	99.3	1841	3	AAG65072 Membrane-
3	1764.4	99.3	1841	4	AAC91561 Human PRO
4	1764.4	99.3	1841	4	AAS21472 Human CDN
5	1764.4	99.3	1841	4	AAS46225 Human DNA
6	1764.4	99.3	1841	5	Aaf44218 Human PRO
7	1764.4	99.3	1841	6	Abi188154 Human PRO
8	1764.4	99.3	1841	6	Abi195643 Human ang
9	1764.4	99.3	1841	8	ACA89675 Human sec
10	1764.4	99.3	1841	8	ACA73685 Human sec
11	1764.4	99.3	1841	8	ACA06000 Human sec
12	1764.4	99.3	1841	8	ACA66834 cDNA enco
13	1764.4	99.3	1841	8	AC364371 Novel hum
14	1764.4	99.3	1841	8	ACF20409 Human sec
15	1764.4	99.3	1841	8	ACF19795 Human sec
16	1764.4	99.3	1841	8	ACD22083 Human sec
17	1764.4	99.3	1841	8	ACF13248 Human sec
18	1764.4	99.3	1841	8	ACD25351 Human sec
19	1764.4	99.3	1841	8	ACF00400 Human sec
20	1764.4	99.3	1841	8	ACA57998 cDNA enco

21	1764.4	99.3	1841	8	ACA72457 Novel hum
22	1764.4	99.3	1841	8	ACA03831 CDNA enco
23	1764.4	99.3	1841	8	ACD04981 Novel hum
24	1764.4	99.3	1841	8	ACD18442 Human sec
25	1764.4	99.3	1841	8	ACD08449 Human sec
26	1764.4	99.3	1841	8	ACA88883 Novel hum
27	1764.4	99.3	1841	8	ACA70325 Human sec
28	1764.4	99.3	1841	8	ACD12547 Novel hum
29	1764.4	99.3	1841	8	ACD12547 Novel hum
30	1764.4	99.3	1841	8	ACD16090 Human sec
31	1764.4	99.3	1841	8	ACD25658 Novel hum
32	1764.4	99.3	1841	8	ACD18135 Human sec
33	1764.4	99.3	1841	8	ACC88422 Human sec
34	1764.4	99.3	1841	8	ACD21776 Human sec
35	1764.4	99.3	1841	8	ACD18843 Human sec
36	1764.4	99.3	1841	8	ABX98453 Human CDN
37	1764.4	99.3	1841	8	ACD14204 Human PRO
38	1764.4	99.3	1841	8	ACD09984 Human sec
39	1764.4	99.3	1841	8	ACC88729 Human sec
40	1764.4	99.3	1841	8	ACD21469 Human sec
41	1764.4	99.3	1841	8	ABX89369 DNA enco
42	1764.4	99.3	1841	8	ABX75841 Human CDN
43	1764.4	99.3	1841	8	ABX98044 Human PRO
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45	1764.4	99.3	1841	8	ACA57983 Human PRO

ALIGNMENTS

RESULT 1

AA33810

ID AA33810 standard; DNA; 1776 BP.

XX AC AA33810;

DT 25-JUN-1999 (first entry)

XX DE Coding sequence for human secreted protein bn97_1.

XX KW Secreted protein; human; nutritional activity; cytokine; tissue growth;
XX KW cell proliferation; cell differentiation; immune stimulant; chemotaxis;
XX KW immune suppressant; haematopoiesis regulator; activin; inhibin; cadherin;
XX KW chemokinesis; haemostasis; thrombolysis; anti-inflammatory; gene therapy;
XX KW tumour invasion suppressor; tumour inhibitor; ss.

XX OS Homo sapiens.

XX FN WO9913066-A1.

XX PD 18-MAR-1999.

XX PF 08-SEP-1998; 98WO-US018724.

XX PR 08-SEP-1997; 97US-00929007.

XX PA (GENY) GENETICS INST INC.

XX PI Jacobs K, McCoy JM, Lavallie ER, Racie LA, Evans C, Merberg D;

XX PT Treacy M, Agostino MJ, Spaulding V;

XX DR WPI; 1999-229235/19.

XX XX P-PSDB; AAY05317.

XX PT New polynucleotides encoding secreted human proteins.

XX PS Claim 1; Page 78; 96pp; English.

XX This sequence encodes a human secreted protein of the invention. The
XX secreted proteins were obtained from human adult placenta, foetal brain,
XX adult testes or adult blood cDNA libraries. The polynucleotides (PNS) and
XX proteins are predicted to have biological activities which would make
XX them suitable for treating, preventing or ameliorating medical conditions

CC in humans and animals, although no supporting data is given. Suggested
CC activities include nutritional activity, cytokine and cell
CC proliferation/differentiation activity, immune stimulating (e.g. as
CC vaccines) or suppressing activity, haematopoiesis regulating activity,
CC tissue growth activity, activin/inhibin activity, and thrombolytic activity,
CC chemotactic/chemokinetic activity, haemostatic and tumour activity,
CC receptor/ligand activity, anti-inflammatory activity, cadherin/tumour
CC invasion suppressor activity, and tumour inhibition activity. The PNs are
CC also stated to be useful for gene therapy

XX
SQ Sequence 1776 BP; 506 A; 429 C; 370 G; 471 T; 0 U; 0 Other;

Query Match 100.0%; Score 1776; DB 2; Length 1776;

Best Local Similarity 100.0%; Pred. No. 0;

Matches 1776; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 AGCTCACAGTAGCCCGGGCCAGGGCAATCCGACCACATTTCACTCTCACCCTGTAG 60
DB 1 AGCTCACAGTAGCCCGGGCCAGGGCAATCCGACCACATTTCACTCTCACCCTGTAG 60
QY 61 GAATCCAGATGAGGCCCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACA 120
DB 61 GAATCCAGATGAGGCCCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACA 120
QY 121 CCACCATGAGCCTGCATTTCTCAAGCCTCTGCCAACTCGGCATCCAGAGCCCGGGGCA 180
DB 121 CCACCATGAGCCTGCATTTCTCAAGCCTCTGCCAACTCGGCATCCAGAGCCCGGGGCA 180
QY 181 CAGACACAGGGCTCCCTCTTCAAGTGGCGAGCAGTGCGCCCTGACCCCTGCTGACTTGT 240
DB 181 CAGACACAGGGCTCCCTCTTCAAGTGGCGAGCAGTGCGCCCTGACCCCTGCTGACTTGT 240
QY 241 GCTTGGTCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTCAGTACTACCCAGC 300
DB 241 GCTTGGTCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTCAGTACTACCCAGC 300
QY 301 TCTCCAATACTGCTGCAAGACACCATTTCTCAAATGGAAGAAAGATTAGGAATACGTCCC 360
DB 301 TCTCCAATACTGCTGCAAGACACCATTTCTCAAATGGAAGAAAGATTAGGAATACGTCCC 360
QY 361 AAGAGTTGCAATCTTCAAGTCCAGATATAAAGCTTGCAGGAAAGTCTGCGACATGTGG 420
DB 361 AAGAGTTGCAATCTTCAAGTCCAGATATAAAGCTTGCAGGAAAGTCTGCGACATGTGG 420
QY 421 CTGAAAAACTCTGCTGAGCTGTATAAAGAGCTGGAGCACAAGTGCAGCCCTCTGTA 480
DB 421 CTGAAAAACTCTGCTGAGCTGTATAAAGAGCTGGAGCACAAGTGCAGCCCTCTGTA 480
QY 481 CAGAAACAATGGAAATGGCATGGAGACAATTTGCTACCAAGTCTTATAAAGACAGCAAAAGTT 540
DB 481 CAGAAACAATGGAAATGGCATGGAGACAATTTGCTACCAAGTCTTATAAAGACAGCAAAAGTT 540
QY 541 GGGAGACTGTAAATATTCTGCTTGTGCTTGTGAAATCTACCATGCTGAAGATAAACAAC 600
DB 541 GGGAGACTGTAAATATTCTGCTTGTGCTTGTGAAATCTACCATGCTGAAGATAAACAAC 600
QY 601 AAGAGACTGTAAATTTGCGGGCTCTCAGAGCTACTCTGAGTGTGTTTCTACTCTTATGGA 660
DB 601 AAGAGACTGTAAATTTGCGGGCTCTCAGAGCTACTCTGAGTGTGTTTCTACTCTTATGGA 660
QY 661 CAGGGCTTTTGGCCCTGACAGTGGCAAGGCCCTGGCTGTGGATGATGGAACCCCTTTCA 720
DB 661 CAGGGCTTTTGGCCCTGACAGTGGCAAGGCCCTGGCTGTGGATGATGGAACCCCTTTCA 720
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DB 721 CTTCTGAATCTGTTCATATTAATAGATGTCAACAGGCCAAGAGCAGAGACTGTGTGG 780
QY 781 CCATCTCTTAATGGGATGATCTTCTCAAAGGAGCTGCAAGAAATTGAAGCGTTGTGCTGTG 840
DB 781 CCATCTCTTAATGGGATGATCTTCTCAAAGGAGCTGCAAGAAATTGAAGCGTTGTGCTGTG 840
QY 841 AGAGAAAGGGCAGGAATGGTGAAGCCAGAGAGCCTCCATGTCCCCCTTGAAACATTAGGCG 900
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RESULT 2

AAZ65072

ID AAZ65072 standard; cDNA; 1841 BP.

XX AAZ65072;

XX 05-APR-2000 (first entry)

XX Membrane-bound protein PRO1131 encoding cDNA.

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DB 841 AGAGAAAGGGCAGGAATGGTGAAGCCAGAGAGCCTCATGTCCCCCTGAAACATTAGGCG 900
QY 901 AAGGTGACTGATTCGCGCTCTGCAACTACAATAAGCAGAGTGAGCCGCGTGCACAAG 960
DB 901 AAGGTGACTGATTCGCGCTCTGCAACTACAATAAGCAGAGTGAGCCGCGTGCACAAG 960
QY 961 CAAGGGCTAGTTGAGACATTCGGGAAATGGAAACATAAATCAGGAAAGACTATCTCTGACT 1020
DB 961 CAAGGGCTAGTTGAGACATTCGGGAAATGGAAACATAAATCAGGAAAGACTATCTCTGACT 1020
QY 1021 AGTACAAAATGGGTTCTCGTGTTCCTGTTTCAGGATCAACAGCATTTCTGAGCTTGGGTT 1080
DB 1021 AGTACAAAATGGGTTCTCGTGTTCCTGTTTCAGGATCAACAGCATTTCTGAGCTTGGGTT 1080
QY 1081 TATGCACGTATTTAAACAGTCAAGAAAGTCTTATTATGATGCCAACCAACCTCAGAA 1140
DB 1081 TATGCACGTATTTAAACAGTCAAGAAAGTCTTATTATGATGCCAACCAACCTCAGAA 1140
QY 1141 ACCCATATATGTCATCTGCTTTCTGGCTTAGAGATAAATTTTAGCTCTCTTTCTCTCAA 1200
DB 1141 ACCCATATATGTCATCTGCTTTCTGGCTTAGAGATAAATTTTAGCTCTCTTTCTCTCAA 1200
QY 1201 TGTCTAATATCACTCCCTGTTTTCATGTCCTTCTTACACTTGGTGGAAATGAAGAACTTT 1260
DB 1201 TGTCTAATATCACTCCCTGTTTTCATGTCCTTCTTACACTTGGTGGAAATGAAGAACTTT 1260
QY 1261 TTGAAGTAGAGGAATACATTTGAGTACATCTTTCTCTGACAGTCAAGTAGTCCATC 1320
DB 1261 TTGAAGTAGAGGAATACATTTGAGTACATCTTTCTCTGACAGTCAAGTAGTCCATC 1320
QY 1321 AGAATTTGGCAGTCACTTCCAGATTGTACAGCAAAATACACAGGAATTTCTTTTGTGTT 1380
DB 1321 AGAATTTGGCAGTCACTTCCAGATTGTACAGCAAAATACACAGGAATTTCTTTTGTGTT 1380
QY 1381 GTTTCAGTTTCATAGTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1440
DB 1381 GTTTCAGTTTCATAGTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1440
QY 1441 TGCGGTTTCCCAACAGGGATGTCATGATATGAGAAATCTCAAAATCTCAATGCCCTTATA 1500
DB 1441 TGCGGTTTCCCAACAGGGATGTCATGATATGAGAAATCTCAAAATCTCAATGCCCTTATA 1500
QY 1501 GCATTTCTCTCTGCTGCTTCCATTAAGACTCTGATAATTTGTCTCCCTCCATAGGAAATTTCTC 1560
DB 1501 GCATTTCTCTCTGCTGCTTCCATTAAGACTCTGATAATTTGTCTCCCTCCATAGGAAATTTCTC 1560
QY 1561 CCAGGAAAGAAATATATCCCATCTCCGTTTTCATATCAGAACTACCGTCCCGGATATTC 1620
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QY 1621 CTTTCAGAGAGATTAAGACACAGAAAGAGTGCAGCTCTTCTCATCTGCACCTGTAATAGTTT 1680
DB 1621 CTTTCAGAGAGATTAAGACACAGAAAGAGTGCAGCTCTTCTCATCTGCACCTGTAATAGTTT 1680
QY 1681 CAGTTCCTATTTTCTTCCATTTGACCCATATTTATACCTTTTCAGGTACTGGAAGATTATA 1740
DB 1681 CAGTTCCTATTTTCTTCCATTTGACCCATATTTATACCTTTTCAGGTACTGGAAGATTATA 1740
QY 1741 ATAATAAATGTAAATATCTGTGAAAAAATAAAAAA 1776
DB 1741 ATAATAAATGTAAATATCTGTGAAAAAATAAAAAA 1776
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RESULT 2

AAZ65072

ID AAZ65072 standard; cDNA; 1841 BP.

XX AAZ65072;

XX 05-APR-2000 (first entry)

XX Membrane-bound protein PRO1131 encoding cDNA.

XX Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW Pharmaceutical; receptor immunoadhesin; gene mapping; ss.
OS Homo sapiens.
XX WO9963088-A2.
XX PD 09-DEC-1999.
XX PF 02-JUN-1999; 99WO-US012252.
XX PR 02-JUN-1998; 98US-0087607P.
XX PR 02-JUN-1998; 98US-0087609P.
XX PR 02-JUN-1998; 98US-0087759P.
XX PR 03-JUN-1998; 98US-0087822P.
XX PR 04-JUN-1998; 98US-0088021P.
XX PR 04-JUN-1998; 98US-0088025P.
XX PR 04-JUN-1998; 98US-0088028P.
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XX PR 05-JUN-1998; 98US-0088212P.
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XX PR 10-JUN-1998; 98US-0088722P.
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PR 31-AUG-1998; 98US-0098525P.

PR 16-SEP-1998; 98US-0100634P.
XX 12-JAN-1999; 99US-0115565P.
PA (GETH) GENENTECH INC.
XX Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
XX Wood WI, Yuan J;
XX WPI; 2000-072883/06.
DR P-PSDB; AAY66728.
XX
PT Membrane-bound proteins and related nucleotide sequences.
XX
PS Claim 2; Fig 229; 822pp; English.
XX
CC The invention provides membrane-bound PRO polypeptides and
CC polynucleotides encoding them. The PRO sequences of the invention were
CC identified based on extracellular domain homology screening. The PRO
CC sequences have homology with proteins including LDL receptors, TIE
CC ligands and various enzymes. The membrane-bound proteins and receptor
CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
CC immunoadhesins, for instance, can be used as therapeutic agents to block
CC receptor-ligand interactions. The membrane-bound proteins can also be
CC employed for screening of potential peptide or small molecule inhibitors
CC of the relevant receptor/ligand interaction. The PRO encoding sequences
CC are useful as hybridization probes, in chromosome and gene mapping and in
CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
CC also be useful for the preparation of PRO polypeptides, especially by
CC recombinant techniques
XX
SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
Query Match 99.3%; Score 1764.4; DB 3; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0; Mismatches 1; Indels 0; Gaps 0;
Matches 1765; Conservative 0;
1 AGCTCACAGTAGCCCGCGGCCCGGCAATCCGACCAATTCACCTCTCACCGCTGTAG 60
76 AGCTCACAGTAGCCCGCGGCCCGGCAATCCGACCAATTCACCTCTCACCGCTGTAG 135
61 GAATCCAGATGAGCCCAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACA 120
136 GAATCCAGATGAGCCCAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACA 195
121 CCACATGAGCTGATCTCAAGCTCTGCCAAGCTCGGCATCCAGAGCCCGGGCCA 180
196 CCACATGAGCTGATCTCAAGCTCTGCCAAGCTCGGCATCCAGAGCCCGGGCCA 255
181 CAGAGCACAGGCTCCCTCTTCAAGCTGGCGACAGTGGCCCTGACCTGTGACTTTGT 240
256 CAGAGCACAGGCTCCCTCTTCAAGCTGGCGACAGTGGCCCTGACCTGTGACTTTGT 315
241 GCTTGGTCTGCTGATAGGCTGGCAGCTGGGCTTTTGTCTTTCAGTACTACGAC 300
316 GCTTGGTCTGCTGATAGGCTGGCAGCTGGGCTTTTGTCTTTCAGTACTACGAC 375
301 TCTCCAACTAGTGTCAAGACCAATTTCTCAAATGGAAGAAAGATTAGAAATAGTCCC 360
376 TCTCCAACTAGTGTCAAGACCAATTTCTCAAATGGAAGAAAGATTAGAAATAGTCCC 435
361 AAGAGTTCGAATCTCTTCAAGTCCAGAAATATAAGCTTTCGAGGAAGTCTGCGCATGTGG 420
436 AAGAGTTCGAATCTCTTCAAGTCCAGAAATATAAGCTTTCGAGGAAGTCTGCGCATGTGG 495
421 CTGAATAACTCTGCTGATGCTGATATACAAAGCTGGAGCACAAGTGGCCCTTGTGA 480
496 CTGAATAACTCTGCTGATGCTGATATACAAAGCTGGAGCACAAGTGGCCCTTGTGA 555
481 CAGAACTAGGAAATGGCATGGAGCAATTTGCTACAGTTCTATAAAGACAGCAAAAGTT 540
556 CAGAACTAGGAAATGGCATGGAGCAATTTGCTACAGTTCTATAAAGACAGCAAAAGTT 615
541 GGGAGGACTGTAAATATTCTTGCCTTAGTGAAAACTCTACCATGCTGAAGATAAAACAAC 600

Db GGGAGGACTGTAAATATTCTGCTTAGTGAAAACTCTACCATGCTGAAGATAAAACAAC 675
QY AAGAGAGCTGGAATTTGCGCGCTCTCAGAGCTACTCTGAGTCTTTTCTACTCTTATTGGA 660
Db AAGAGAGCTGGAATTTGCGCGCTCTCAGAGCTACTCTGAGTCTTTTCTACTCTTATTGGA 735
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Db CAGGCTTTTTCGCGCTCTGACAGTGGCAAGGCTGCTCTGGATGGATGGAACCCCTTTCA 795
QY CTTCTGAACCTGTTCCATATTATATAGATGTCAACAGCCCAAGAGCAGAGACTGTGTGG 780
Db CTTCTGAACCTGTTCCATATTATATAGATGTCAACAGCCCAAGAGCAGAGACTGTGTGG 855
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Db CCATCTTAAATGGGATGATCTTCTCAAGAGGACTGCAAGAAATTCGAAGCTGTGTCTGTG 915
QY AGAGAAGGCGAGGAATGCTGAAGCAGAGAGCTTCCATGTCCCCCTGAAACATTAGGCG 900
Db AGAGAAGGCGAGGAATGCTGAAGCAGAGAGCTTCCATGTCCCCCTGAAACATTAGGCG 975
QY AAGGTGACTGATTCGCCCTCTGCAACTACAAATAGCAGAGTCCAGCGGTGCAAG 960
Db AAGGTGACTGATTCGCCCTCTGCAACTACAAATAGCAGAGTCCAGCGGTGCAAG 1035
QY CAAGGCTGAGTTGAGACATTCGGGAATGGAACATAATCAGGAAGACATCTCTCTGACT 1020
Db CAAGGCTGAGTTGAGACATTCGGGAATGGAACATAATCAGGAAGACATCTCTCTGACT 1095
QY AGTACAAATGGGTTCTCGTGTCTTCTGAGGATCAACAGCAATTTCTGAGCTTGGGT 1080
Db AGTACAAATGGGTTCTCGTGTCTTCTGAGGATCAACAGCAATTTCTGAGCTTGGGT 1155
QY TATGACATTAATTAACAGTCAAGAGTCTTATTTATGATGCAACCAACCACTCAGAA 1140
Db TATGACATTAATTAACAGTCAAGAGTCTTATTTATGATGCAACCAACCACTCAGAA 1215
QY ACCCATATGTCATCTGCTTCTTGGCTTAGAGATACTTTTAGCTCTCTTCTCTCAA 1200
Db ACCCATATGTCATCTGCTTCTTGGCTTAGAGATACTTTTAGCTCTCTTCTCTCAA 1275
QY TGTCTAATATCACCTCCCTGTTTTCATGCTCTTCTTACACTTGTGGAAATGAAGAACTTT 1260
Db TGTCTAATATCACCTCCCTGTTTTCATGCTCTTCTTACACTTGTGGAAATGAAGAACTTT 1335
QY TTGAAGTAGAGGAATAATACATTTGAGGTAAACATCTCTTCTGACAGTCAAGTAGTCCATC 1320
Db TTGAAGTAGAGGAATAATACATTTGAGGTAAACATCTCTTCTGACAGTCAAGTAGTCCATC 1395
QY AGAAATTTGGCAGTCACTTCCAGATTTGACAGCAAAATACAGAGGAATCTTTTGTGTT 1380
Db AGAAATTTGGCAGTCACTTCCAGATTTGACAGCAAAATACAGAGGAATCTTTTGTGTT 1455
QY GTTTCAGTTCATACCTAGTCCCTTCCCAATCCATCAGTAAAGACCCCACTGCTTGTCCA 1440
Db GTTTCAGTTCATACCTAGTCCCTTCCCAATCCATCAGTAAAGACCCCACTGCTTGTCCA 1515
QY TGCCGTTTCCCAACAGGAGTGTCACTTGAATGAGAATCTCAATCTCAATGCTTATAA 1500
Db TGCCGTTTCCCAACAGGAGTGTCACTTGAATGAGAATCTCAATCTCAATGCTTATAA 1575
QY GCATTCCTCTGCTGCTCCATTAAGACTCTGATTAATTTGCTCCCTCCATAGGAATTTCTC 1560
Db GCATTCCTCTGCTGCTCCATTAAGACTCTGATTAATTTGCTCCCTCCATAGGAATTTCTC 1635
QY CCAGGAAAGAAATATATATCCCATCTCCGTTTTCATATCAGAACTACCGTCCCGATATCC 1620
Db CCAGGAAAGAAATATATATCCCATCTCCGTTTTCATATCAGAACTACCGTCCCGATATCC 1695
QY CTTGAGAGATTAAGACCAAGAAAGTGGAGCTCTTCACTGCACTGTGAATAGTTT 1680

Db 1696 CTTGAGAGATTAAAGACGAGAAAAGTGAGCCTCTTCATCTGACCTGTAATAGTTT 1755
QY 1681 CAGTTCCTATTTCTTCATTCACCCATATTTATACCTTTTCAAGTACTGAAGATTATA 1740
Db 1756 CAGTTCCTATTTCTTCATTCACCCATATTTATACCTTTTCAAGTACTGAAGATTATA 1815
QY 1741 ATAATAAATGTAATACTGTGAAAAA 1766
Db 1816 ATAATAAATGTAATACTGTGAAAAA 1841

RESULT 3
AAC91561
ID AAC91561 standard; cDNA; 1841 BP.
XX
AC AAC91561;
DT 21-MAR-2001 (first entry)
XX
DE Human PRO1131 cDNA.
XX
KW Human; PRO; cytostatic; nootropic; neuroprotective; respiratory general;
KW antiinflammatory; antiangiogenic; immunosuppressive; immunostimulant;
KW PRO agonist; cancer; inflammatory disorder; immunological disorder; ss.
XX
OS Homo sapiens.
XX
PN WO200073348-A2.
XX
PD 07-DEC-2000.
XX
PF 30-MAY-2000; 2000WO-US014941.

XX
PR 02-JUN-1999; 99WO-US012252.
PR 22-JUN-1999; 99US-0140650P.
PR 23-JUN-1999; 99US-014037P.
PR 20-JUL-1999; 99US-0144758P.
PR 01-SEP-1999; 99WO-US020111.
PR 08-SEP-1999; 99WO-US020594.
PR 29-OCT-1999; 99US-0162506P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028634.
PR 02-DEC-1999; 99WO-US028551.
PR 09-DEC-1999; 99US-0170262P.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030999.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.

XX (GETH) GENENTECH INC.
XX
PI Baker KP, Goddard A, Gurney AL, Hebert C, Henzel W, Kabakoff RC;
PI Shelton DL, Smith V, Watanabe CK, Wood WI;
XX
XX WPI; 2001-016509/02.
DR P-PSDB; AAB50959.
XX
XX Twenty eight nucleic acids encoding PRO polypeptides which are useful for
PT treating various tumors, e.g. breast cancer, and other inflammatory,
PT angiogenic and immunological disorders.
XX
XX Claim 20; Fig 17; 188pp; English.
XX
XX The present sequence is one of twenty eight nucleic acids encoding PRO
CC polypeptides. The PRO polypeptides and their agonists, including

CC antibodies, peptides, and small molecule agonists, may be used to treat
CC various tumors, e.g., cancers such as breast cancer, ovarian cancer,
CC renal cancer, colorectal cancer, uterine cancer, prostate cancer, lung
CC cancer, bladder cancer, central nervous system cancer, melanoma or
CC leukaemia. They are also useful for treating other disorders such as
CC neuronal, glial, astrocytal, hypothalamic and other glandular,
CC macrophagal, epithelial, stromal and blastocoeic disorders, and
CC inflammatory, angiogenic and immunological disorders
XX
SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
Query Match 99.3%; Score 1764.4; DB 4; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 AGCTCAGTAGCCCGCGGCCAGGGCAATCCGACCACTTTCACCTCTCACCGCTGTAG 60
Db 76 AGCTCAGTAGCCCGCGGCCAGGGCAATCCGACCACTTTCACCTCTCACCGCTGTAG 135
QY 61 GAATCCAGATGCGGCGCAAGTACAGCAGCAGGAGGACATGCTGGATGATGAGGACA 120
Db 136 GAATCCAGATGCGGCGCAAGTACAGCAGCAGGAGGACATGCTGGATGATGAGGACA 195
QY 121 CCACCATGAGCTGCATTCTCAAGCCTCTGCCACAACCTCGGCATCCAGAGCCCGCGCA 180
Db 196 CCACCATGAGCTGCATTCTCAAGCCTCTGCCACAACCTCGGCATCCAGAGCCCGCGCA 255
QY 181 CAGAGCAGAGGGCTCCCTCTTCAAGCTGGCGACAGTGGCCCTGACCTCTGCTGACTTTGT 240
Db 256 CAGAGCAGAGGGCTCCCTCTTCAAGCTGGCGACAGTGGCCCTGACCTCTGCTGACTTTGT 315
QY 241 GCTTGGTCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTCTTTCAGTACTACCAGC 300
Db 316 GCTTGGTCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTCTTTCAGTACTACCAGC 375
QY 301 TCTCAATACCTGCTCAAGACACACATTTCTCAATGGAAGAAAGATTAGGAATAGTCCC 360
Db 376 TCTCAATACCTGCTCAAGACACACATTTCTCAATGGAAGAAAGATTAGGAATAGTCCC 435
QY 361 AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTTCAGGAAAGTCTGCAGCAGTGG 420
Db 436 AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTTCAGGAAAGTCTGCAGCAGTGG 495
QY 421 CTGAAAAAATCTGCTGCTGAGCTGTATATAAAGCTGGAGACACAGGTGCGAGCCCTTGT 480
Db 496 CTGAAAAAATCTGCTGCTGAGCTGTATATAAAGCTGGAGACACAGGTGCGAGCCCTTGT 555
QY 481 CAGAACATGGAATGCGATCGAGCAATTCCTACAGTCTCTATAAAGACAGCAAAAGTT 540
Db 556 CAGAACATGGAATGCGATCGAGCAATTCCTACAGTCTCTATAAAGACAGCAAAAGTT 615
QY 541 GGGAGGAGCTGTAATAATTTCTGCGCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAC 600
Db 616 GGGAGGAGCTGTAATAATTTCTGCGCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAC 675
QY 601 AAGAAGACCTGGAATTTGCCGGCTCTCAGAGCTACTCTGAGTCTTCTTCTTATTGA 660
Db 676 AAGAAGACCTGGAATTTGCCGGCTCTCAGAGCTACTCTGAGTCTTCTTCTTATTGA 735
QY 661 CAGGGCTTTTGGCGCTGACAGTGGCAGGCTGGCTGGATGGATGGATGGATGGATGGATGG 720
Db 736 CAGGGCTTTTGGCGCTGACAGTGGCAGGCTGGCTGGATGGATGGATGGATGGATGGATGG 795
QY 721 CTTCTGAACTGTTCCATATTAATATAGATGTCCAGGCCCAAGAGCAGAGACTGTGTGG 780
Db 796 CTTCTGAACTGTTCCATATTAATATAGATGTCCAGGCCCAAGAGCAGAGACTGTGTGG 855
QY 781 CCATCTCTTAATGGGATGATCTTCTCAAGAGACTGCAAGAAATTAAGCGTTGTGTGTG 840
Db 856 CCATCTCTTAATGGGATGATCTTCTCAAGAGACTGCAAGAAATTAAGCGTTGTGTGTG 915
QY 841 AAGAAGGCGGAGGAATGTTGAAGCAGAGAGCTTCCATGTCCCTCCCTTAACATTTAGGG 900

CC polypeptides, and to detect the presence of mammalian lung, colon,
 CC breast, prostate, rectal, cervical or liver tumours by comparing PRO
 CC polypeptide expression in a cell sample to that in a control sample. Some
 CC of the 2/5 sequences are also useful to stimulate the release of tumour
 CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or
 CC differentiation of chondrocytes, the proliferation or gene expression in
 CC pericyte cells, the release of proteoglycans from cartilage, the
 CC proliferation of inner ear utricular supporting cells or of T-
 CC lymphocytes, the release of a cytokine from peripheral blood monocytes
 CC (PBMCs), or the proliferation of endothelial cells. Some of the PRO
 CC polypeptides may modulate glucose or free fatty acid uptake by skeletal
 CC muscle cells or by adipocytes; or inhibit binding of A-peptide to factor
 CC VIIA. The PRO polypeptides can be used in assays to identify molecules
 CC involved in binding interactions. The polynucleotides encoding PRO
 CC polypeptides can be used to generate probes, antisense RNA/DNA,
 CC transgenic or knock out animals and can be used in gene therapy
 XX
 SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

Query Match 99.3%; Score 1764.4; DB 4; Length 1841;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCTCAGTAGCCCGCGCCCGAGGCAATCGACCACTTCACCTCTCACGCTGTAG 60
 DB |||||
 QY 76 AGCTCAGTAGCCCGCGCCCGAGGCAATCGACCACTTCACCTCTCACGCTGTAG 135
 DB |||||
 QY 61 GAATCCAGATGCAAGGCAAGTACAGCAGCAGGAGGACATGCTGGATGATGAGGGACA 120
 DB |||||
 QY 136 GAATCCAGATGCAAGGCAAGTACAGCAGCAGGAGGACATGCTGGATGATGAGGGACA 195
 DB |||||
 QY 121 CCACCATGAGCTGCATCTCAAGCCTCTGCCCACTCGGCATCCAGAGCCCGCGCA 180
 DB |||||
 QY 196 CCACCATGAGCTGCATCTCAAGCCTCTGCCCACTCGGCATCCAGAGCCCGCGCA 255
 DB |||||
 QY 181 CAGAGCACAGGGCTCCCTCTTCAAGCTGGCGACAGCTGCCTGACCTGCTGACTTGT 240
 DB |||||
 QY 256 CAGAGCACAGGGCTCCCTCTTCAAGCTGGCGACAGCTGCCTGACCTGCTGACTTGT 315
 DB |||||
 QY 241 GCTTGTGCTGCTGATGAGGCTGGCAGCCCTGGGGCTTTGTTTTTTCAGTACTACCAGC 300
 DB |||||
 QY 316 GCTTGTGCTGCTGATGAGGCTGGCAGCCCTGGGGCTTTGTTTTTTCAGTACTACCAGC 375
 DB |||||
 QY 301 TCTCCAACTACTGGTCAAGACACATTTCTCAATGGAAGAAAGATTAGGAATAGCTCC 360
 DB |||||
 QY 376 TCTCCAACTACTGGTCAAGACACATTTCTCAATGGAAGAAAGATTAGGAATAGCTCC 435
 DB |||||
 QY 361 AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTCAGGAAGCTTCGACGATGTGG 420
 DB |||||
 QY 436 AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTCGAGGAAGCTTCGACGATGTGG 495
 DB |||||
 QY 421 CTGAAAACTCTGTGCTGAGCTGTATAACAAAGCTGGAGCACACAGGTGCAGCCCTTGT 480
 DB |||||
 QY 496 CTGAAAACTCTGTGCTGAGCTGTATAACAAAGCTGGAGCACACAGGTGCAGCCCTTGT 555
 DB |||||
 QY 481 CAGAACAAATGGAATGGGATGGAGACAAATGTCTCAATGGAAGAAAGATTAGGAATAG 540
 DB |||||
 QY 556 CAGAACAAATGGAATGGGATGGAGACAAATGTCTCAATGGAAGAAAGATTAGGAATAG 615
 DB |||||
 QY 541 GGAGGACTGTAATATTTCTGCTTGTAGTAAAGCTTCTACCATGCTGAAGATAAACAAC 600
 DB |||||
 QY 616 GGAGGACTGTAATATTTCTGCTTGTAGTAAAGCTTCTACCATGCTGAAGATAAACAAC 675
 DB |||||
 QY 601 AAGAAGACCTGGAATTTGGCGGTCTCAGAGCTACTCTCAGTGTCTTCTCTTATTTGA 660
 DB |||||
 QY 676 AAGAAGACCTGGAATTTGGCGGTCTCAGAGCTACTCTCAGTGTCTTCTCTTATTTGA 735
 DB |||||
 QY 661 CAGGGCTTTTGGCCCTGACAGTGGCAAGCCCTGGCTGTGGATGGAAACCCCTTTCA 720
 DB |||||
 QY 736 CAGGGCTTTTGGCCCTGACAGTGGCAAGCCCTGGCTGTGGATGGAAACCCCTTTCA 795
 DB |||||
 QY 721 CTTCTGAATCTGTTCCATATTAATAGATGTCCAGCCCAAGAGCAGAGACTGTGTGG 780
 DB |||||

RESULT 5
 AAS46225

DB 796 CTTCTGAATCTGTTCCATATTATATAGATGTCAACAGCCCAAGAGCAGAGACTGTGTGG 855
 QY 781 CCATCTCTTAATGGAGTATCTTCTCAAGAGACTGCAAGAAATGTAAGCCTGTGTCTGTG 840
 DB 856 CCATCTCTCAATGGAGTATCTTCTCAAGAGACTGCAAGAAATGTAAGCCTGTGTCTGTG 915
 QY 841 AGAGAGGCGCAGGAATGGTGAAGCAGAGAGCCTCCATGTCTCCCTGAAACATTAAGGCG 900
 DB 916 AGAGAGGCGCAGGAATGGTGAAGCAGAGAGCCTCCATGTCTCCCTGAAACATTAAGGCG 975
 QY 901 AAGGTGACTGATTCGCCCTCTCCAACTACAAATAGCAGAGTGAAGCGGTGCGCAAG 960
 DB 976 AAGGTGACTGATTCGCCCTCTCCAACTACAAATAGCAGAGTGAAGCGGTGCGCAAG 1035
 QY 961 CAAAGGCTAGTTGAGACATTTGGGAAATGGAACATTAATCAGGAAAGACTATCTCTGTGACT 1020
 DB 1036 CAAAGGCTAGTTGAGACATTTGGGAAATGGAACATTAATCAGGAAAGACTATCTCTGTGACT 1095
 QY 1021 AGTACAAATGGGTTCTGTGTCTTCTGTTTCAAGGATCACCAGCATTTCTGAGCTTGGGTT 1080
 DB 1096 AGTACAAATGGGTTCTGTGTCTTCTGTTTCAAGGATCACCAGCATTTCTGAGCTTGGGTT 1155
 QY 1081 TATGACAGTATTTAAACAGTCAACAAGAGTCTTTATTTTACATGCGCACCAACCACTCAGAA 1140
 DB 1156 TATGACAGTATTTAAACAGTCAACAAGAGTCTTTATTTTACATGCGCACCAACCACTCAGAA 1215
 QY 1141 ACCCATAAATGTCATCTGCTTCTTGGCTTAGAGATAAATCTTTTGTCTCTCTTCTCTCAA 1200
 DB 1216 ACCCATAAATGTCATCTGCTTCTTGGCTTAGAGATAAATCTTTTGTCTCTCTTCTCTCAA 1275
 QY 1201 TGTCTAAATATCACCTCCCTGTTTCTGCTTCTTCTTACATCTTGTGGGATAGAACTTTT 1260
 DB 1276 TGTCTAAATATCACCTCCCTGTTTCTGCTTCTTCTTACATCTTGTGGGATAGAACTTTT 1335
 QY 1261 TTGAGTATAGAGGAAATACATTTGAGGTAACATCTTTTCTCTGACAGTCAAGTAGTCCATC 1320
 DB 1336 TTGAGTATAGAGGAAATACATTTGAGGTAACATCTTTTCTCTGACAGTCAAGTAGTCCATC 1395
 QY 1321 AGAAATTTGGCAGTCACTTCCCAGATTGTACACAGCAAAATACACAGGAAATCTTTTGTGTTT 1380
 DB 1396 AGAAATTTGGCAGTCACTTCCCAGATTGTACACAGCAAAATACACAGGAAATCTTTTGTGTTT 1455
 QY 1381 GTTTTCAGTTTCATCTAGTCTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1440
 DB 1456 GTTTTCAGTTTCATCTAGTCTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1515
 QY 1441 TGCCGTTTCCCAACAGGAGTGTCACTTGATATGAAATCTCAAAATCTCAATGCCCTTATAA 1500
 DB 1516 TGCCGTTTCCCAACAGGAGTGTCACTTGATATGAAATCTCAAAATCTCAATGCCCTTATAA 1575
 QY 1501 GCATTCCTTCTGTGTCATTAAGACTCTGATAATTTGTCTCCCTCCATAGGAAATTTCTC 1560
 DB 1576 GCATTCCTTCTGTGTCATTAAGACTCTGATAATTTGTCTCCCTCCATAGGAAATTTCTC 1635
 QY 1561 CCAGGAAAGAAATATATATCCCATCTCCCGTTTTCATATCAGAACTACCGTCCCGATATCC 1620
 DB 1636 CCAGGAAAGAAATATATATCCCATCTCCCGTTTTCATATCAGAACTACCGTCCCGATATCC 1695
 QY 1621 CTTTCAGAGAGATTAAAGACACAGAAAAAGTGAAGCCTCTTCTCATCTGCACCTGTAAATGTTT 1680
 DB 1696 CTTTCAGAGAGATTAAAGACACAGAAAAAGTGAAGCCTCTTCTCATCTGCACCTGTAAATGTTT 1755
 QY 1681 CAGTTCCTTATTTTCTTCCATTTGACCCATTTATATACCTTTTCAGGTAAGTAAATAA 1740
 DB 1756 CAGTTCCTTATTTTCTTCCATTTGACCCATTTATTTATACCTTTTCAGGTAAGTAAATAA 1815
 QY 1741 ATAATAAATGTAATACTGTGAAAAA 1766
 DB 1816 ATAATAAATGTAATACTGTGAAAAA 1841

ID AAS46225 standard; cDNA; 1841 BP.
XX AC AAS46225;
XX DT 18-DEC-2001 (first entry)
XX DE Human DNA encoding PRO polypeptide sequence #301.
XX KW PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep; ss;
KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder;
KW PCR primer.
XX OS Homo sapiens.
XX PN WO200168848-A2.
XX PD 20-SEP-2001.
XX PF 28-FEB-2001; 2001WO-US006520.
XX PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 06-MAR-2000; 2000US-0186968P.
PR 14-MAR-2000; 2000US-0189320P.
PR 14-MAR-2000; 2000US-0189328P.
PR 15-MAR-2000; 2000WO-US006884.
PR 21-MAR-2000; 2000US-0190828P.
PR 21-MAR-2000; 2000US-0191007P.
PR 21-MAR-2000; 2000US-0191048P.
PR 21-MAR-2000; 2000US-0191314P.
PR 28-MAR-2000; 2000US-0192555P.
PR 29-MAR-2000; 2000US-0193032P.
PR 29-MAR-2000; 2000US-0193053P.
PR 30-MAR-2000; 2000WO-US008439.
PR 04-APR-2000; 2000US-0194449P.
PR 04-APR-2000; 2000US-0194647P.
PR 11-APR-2000; 2000US-0195975P.
PR 11-APR-2000; 2000US-0196000P.
PR 11-APR-2000; 2000US-0196187P.
PR 11-APR-2000; 2000US-0196690P.
PR 11-APR-2000; 2000US-0196820P.
PR 18-APR-2000; 2000US-0198121P.
PR 18-APR-2000; 2000US-0198585P.
PR 25-APR-2000; 2000US-0199397P.
PR 25-APR-2000; 2000US-0199550P.
PR 25-APR-2000; 2000US-0199654P.
PR 03-MAY-2000; 2000WO-US013705.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 05-JUN-2000; 2000US-0209832P.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000WO-US034956.
XX (GETH) GENENTECH INC.
XX PA Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2001-602746/68.
DR P-PSDB; AAU29324.
XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the
PT presence of tumors, such as prostate and breast tumors, in mammals and to
PT screen for modulators of the compounds.

XX Claim 2; Fig 601; 774pp; English.
XX PS Sequences AAS45925-AAS46231 represent DNA molecules encoding and PCR
CC primers for PRO polypeptides of the invention. The sequences of the
CC invention can be used to detect the presence of a tumour in a mammal by
CC comparing the level of expression of a PRO polypeptide in a test sample
CC of cells from the animal and a control sample of normal cells, whereby a
CC higher level of expression in the test sample indicates the presence of a
CC tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep,
CC pigs, goats and rabbits but are preferably human. The polypeptides can be
CC used to stimulate tumour necrosis factor (TNF) alpha release from human
CC blood, when contacted with it. A specific polypeptide can be used to
CC stimulate the proliferation or differentiation of chondrocyte cells. The
CC PRO proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders
XX SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
Query Match 99.3%; Score 1764.4; DB 4; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 AGCTCACAGTAGCCCGCGGCCAGGGCAATCCGACCACTTTCACTCTCACCGCTGTAG 60
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
76 AGCTCACAGTAGCCCGCGGCCAGGGCAATCCGACCACTTTCACTCTCACCGCTGTAG 135
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 61 GAATCCAGATGACGGCCAAAGTACAGCAGCAGGAGACATGCTGGATGATGGGGACA 120
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
136 GAATCCAGATGACGGCCAAAGTACAGCAGCAGGAGACATGCTGGATGATGGGGACA 195
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 121 CCACCATGAGCTGCATTTCTCAAGCTCTGCCAACAATCGGCATCCAGAGCCCGCGGCA 180
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
196 CCACCATGAGCTGCATTTCTCAAGCTCTGCCAACAATCGGCATCCAGAGCCCGCGGCA 255
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 181 CAGAGCACAGGGCTCCCTCTTCAAGCTGGCGACAGTGGCCCTGACCTCTGTACTTTGT 240
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
256 CAGAGCACAGGGCTCCCTCTTCAAGCTGGCGACAGTGGCCCTGACCTCTGTACTTTGT 315
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 241 GCTTGGTGCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTCAGTACTACACAGC 300
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
316 GCTTGGTGCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTCAGTACTACACAGC 375
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 301 TCTCCAAATACCTGGTCAAGACACCACTTTCTCAATGGAGAAGATAGGAATAGTCCC 360
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
376 TCTCCAAATACCTGGTCAAGACACCACTTTCTCAATGGAGAAGATAGGAATAGTCCC 435
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 361 AAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG 420
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
436 AAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG 495
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 421 CTGAAAAAATCTGTGCTGAGCTGTATATAAAGCTGGAGCACACAGGTGCGAGCCCTTGT 480
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
496 CTGAAAAAATCTGTGCTGAGCTGTATATAAAGCTGGAGCACACAGGTGCGAGCCCTTGT 555
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 481 CAGAACAAATGGAATGGCATGGAGACAACTTCTACCAGTTCTATAAACAGCAAGAGTT 540
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
556 CAGAACAAATGGAATGGCATGGAGACAACTTCTACCAGTTCTATAAACAGCAAGAGTT 615
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 541 GGGAGGACTGTAAATATTTCTGCCCTTAGTAAAACTCTACCATGCTGAAGATAAAACAAC 600
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
616 GGGAGGACTGTAAATATTTCTGCCCTTAGTAAAACTCTACCATGCTGAAGATAAAACAAC 675
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 601 AAGAAGACCTCGAAATTTGCCCGCTCTCAGAGCTACTCTGAGTTTTTCTCTTATTTGA 660
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
676 AAGAAGACCTCGAAATTTGCCCGCTCTCAGAGCTACTCTGAGTTTTTCTCTTATTTGA 735
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
QY 661 CAGGGCTTTTGGCGCTGACAGTGGCAGGCTGGCTGTGGATGGATGGACCCCTTTCA 720
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||
736 CAGGGCTTTTGGCGCTGACAGTGGCAGGCTGGCTGTGGATGGATGGACCCCTTTCA 795
DB ||||||||||||||||||||||||||||||||||||||||||||||||||||||||

QY 721 CTTCTGAACTGTTCATATTAATAAGATGTGACAGCCCAAGACGAGACTGTGTGG 780
DB 796 CTTCTGAACTGTTCATATTAATAAGATGTGACAGCCCAAGACGAGACTGTGTGG 855
QY 781 CCATCCTTAATGGATGATCTTCTCAAGGACTGCAAGAAATTAAGAGCTGTGTGTGG 840
DB 856 CCATCCTTAATGGATGATCTTCTCAAGGACTGCAAGAAATTAAGAGCTGTGTGTGG 915
QY 841 AGAAGAGGAGAGATGGTGAAGCCAGAGAGCTCCATGTCCCTCCCTGAAACATTAGGCG 900
DB 916 AGAAGAGGAGAGATGGTGAAGCCAGAGAGCTCCATGTCCCTCCCTGAAACATTAGGCG 975
QY 901 AAGGTGACTGATTCGCTCTGCAACTACAAATAGCAGAGTGAAGCCGCTGCAAG 960
DB 976 AAGGTGACTGATTCGCTCTGCAACTACAAATAGCAGAGTGAAGCCGCTGCAAG 1035
QY 961 CAAGGCTAGTTGAGACATTTGGGAATGGAACATATCAGGAAAGACTATCTCTGACT 1020
DB 1036 CAAGGCTAGTTGAGACATTTGGGAATGGAACATATCAGGAAAGACTATCTCTGACT 1095
QY 1021 AGTACAAAATGGGTTCTGTGTTTCTGTTCAGGATCAACAGATTTCTGAGCTTGGTT 1080
DB 1096 AGTACAAAATGGGTTCTGTGTTTCTGTTCAGGATCAACAGATTTCTGAGCTTGGTT 1155
QY 1081 TATGCAAGTATTTAAGTCAAGAGTCTTATTTACATGCCCAACCACTCAGAA 1140
DB 1156 TATGCAAGTATTTAAGTCAAGAGTCTTATTTACATGCCCAACCACTCAGAA 1215
QY 1141 ACCATAATGTCTATCTGCTCTTCTGCTTTAGAGATAACTTTTAGCTCTCTCTCAA 1200
DB 1216 ACCATAATGTCTATCTGCTCTTCTGCTTTAGAGATAACTTTTAGCTCTCTCTCAA 1275
QY 1201 TGTCTAATATCACTCCCTGTTTTCATGTTCTTCTTACACTTGGTGAATAAGAACTTT 1260
DB 1276 TGTCTAATATCACTCCCTGTTTTCATGTTCTTCTTACACTTGGTGAATAAGAACTTT 1335
QY 1261 TTGAGTAGAGGAATACATTTAGGTAACTCTCTTCTGACAGTCAAGTAGTCCATC 1320
DB 1336 TTGAGTAGAGGAATACATTTAGGTAACTCTCTTCTGACAGTCAAGTAGTCCATC 1395
QY 1321 AGAATTTGACGTCCTCTCCAGATGTACAGCAATACACAGGAATCTCTTTTGTGT 1380
DB 1396 AGAATTTGACGTCCTCTCCAGATGTACAGCAATACACAGGAATCTCTTTTGTGT 1455
QY 1381 GTTTCAGTTTCTACTAGTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1440
DB 1456 GTTTCAGTTTCTACTAGTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1515
QY 1441 TGCCGTTTCCCAACAGGAGTGTCACTTGATATGAGAACTCAATCTCAATGCTTATTA 1500
DB 1516 TGCCGTTTCCCAACAGGAGTGTCACTTGATATGAGAACTCAATCTCAATGCTTATTA 1575
QY 1501 GCATTCCTTCTGTGTCATTAAGACTCTGATAATTTGCTCCCTCCATAGGAATTTCTC 1560
DB 1576 GCATTCCTTCTGTGTCATTAAGACTCTGATAATTTGCTCCCTCCATAGGAATTTCTC 1635
QY 1561 CCAGGAAGAATATATATCCCATCTCTCGTTTCTATATCAGAACTACCGTCCCGATTTCC 1620
DB 1636 CCAGGAAGAATATATATCCCATCTCTCGTTTCTATATCAGAACTACCGTCCCGATTTCC 1695
QY 1621 CTTTCAGAGATTTAAAGACAGAAAAAGTGAGCTCTTTCATCTGCACTGTAAATAGTTT 1680
DB 1696 CTTTCAGAGATTTAAAGACAGAAAAAGTGAGCTCTTTCATCTGCACTGTAAATAGTTT 1755
QY 1681 CAGTTCCTATTTCTTCTTCCATTCACCCATATTTATACCTTTCAGTACTCAAGATTAATA 1740
DB 1756 CAGTTCCTATTTCTTCTTCCATTCACCCATATTTATACCTTTCAGTACTCAAGATTAATA 1815
QY 1741 ATAATAAATGTAATACTGTGAAAAA 1766
DB 1816 ATAATAAATGTAATACTGTGAAAAA 1841

RESULT 6

AAF44218

ID AAF44218 standard; cDNA; 1841 BP.

XX

AC AAF44218;

XX

DT -02-APR-2001 (first entry)

XX

DE Human PRO1131 (UNQ569) nucleotide sequence SEQ ID NO:318.

XX

KW Human; secreted and transmembrane protein; PRO; cytosolic; cell death; cancer; chromosomal mapping; gene mapping; tissue typing; diagnostic assay; ss.

XX

OS Homo sapiens.

XX

PN WO200073454-A1.

XX

PD 07-DEC-2000.

XX

PF 30-MAR-2000; 200WO-US008439.

XX

PR 02-JUN-1999; 99WO-US012252.

XX

PR 23-JUN-1999; 99US-0141037P.

XX

PR 07-JUL-1999; 99US-0143048P.

XX

PR 20-JUL-1999; 99US-0144758P.

XX

PR 26-JUL-1999; 99US-0145698P.

XX

PR 28-JUL-1999; 99US-0146222P.

XX

PR 17-AUG-1999; 99US-0149396P.

XX

PR 15-SEP-1999; 99WO-US021090.

XX

PR 15-SEP-1999; 99WO-US021547.

XX

PR 08-OCT-1999; 99US-0158663P.

XX

PR 30-NOV-1999; 99WO-US028313.

XX

PR 01-DEC-1999; 99WO-US028301.

XX

PR 16-DEC-1999; 99WO-US030095.

XX

PR 20-DEC-1999; 99WO-US030911.

XX

PR 05-JAN-2000; 200WO-US000219.

XX

PR 06-JAN-2000; 200WO-US000376.

XX

PR 11-FEB-2000; 200WO-US003565.

XX

PR 18-FEB-2000; 200WO-US004341.

XX

PR 22-FEB-2000; 200WO-US004914.

XX

PR 24-FEB-2000; 200WO-US005004.

XX

PR 02-MAR-2000; 200WO-US005841.

XX

PR 15-MAR-2000; 200WO-US006884.

XX

PR 20-MAR-2000; 200WO-US007377.

XX

(GETH) GENENTECH INC.

XX

PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;

XX

PI Ferrara N, Fong S, Gerber H, Gottlieb ME, Goddard A, Godowski PJ;

XX

PI Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoni NF;

XX

PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;

XX

PI Zhang Z;

XX

WPI; 2001-032160/04.

XX

P-PSDB; AAB65251.

XX

PRO polynucleotides used to produce polypeptides used to target bioactive molecules such as toxins, radiolabels or antibodies, to specific cells, to cause targeted cell death.

XX

Claim 2; Fig 229; 935pp; English.

XX

The present invention describes human secreted and transmembrane PRO proteins. The PRO proteins have cytostatic activity. The PRO proteins can be used for targeted delivery of bioactive molecules, such as toxins, radiolabels or antibodies, that cause cell death. PRO nucleotide sequences, and their fragments, can be used as hybridisation probes, in sequences, and their fragments, can be used as hybridisation probes, in chromosomal and gene mapping, and in the generation of anti-sense RNA and DNA. They may also be used to produce transgenic animals which are used to develop and screen therapeutically useful reagents. The PRO nucleotide

and protein sequence can be used for tissue typing and in treating cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to AAF44470 represent PCR primers and hybridisation probes used in the isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to AAB65300 represent human PRO polynucleotide and protein sequences given in the exemplification of the present invention

AA	SQ	Sequence	1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
		Query Match	99.3%; Score 1764.4; DB 5; Length 1841;
		Best Local Similarity	99.9%; Pred. No. 0;
		Matches 1765; Conservative	0; Mismatches 1; Indels 0; Gaps 0
Qy	1	AGCTCACAGT	AGCCGGCGCCACGGGCAATCCGACCACTTTCTACTCTCACCGCTGTAG 60
Db	76	AGCTCACAGT	AGCCGGCGCCACGGGCAATCCGACCACTTTCACTCTCACCGCTGTAG 135
Qy	61	GAATCCAGAT	CAGGCCAAGTACACGACACGAGGGACATGCTGCATGATGATGGGACA 120
Db	136	GAATCCAGAT	GAGGCCAAGTACACGACGACGAGGGACATGCTGGATGATGATGGGACA 195
Qy	121	CCACCATGAG	CGCTGCAATTCTCAAGCCTCTGCCACAACCTCGGCATCCAGAGCCCCGGCGCA 180
Db	196	CCACCATGAG	CGCTGCAATTCTCAAGCCTCTGCCACAACCTCGGCATCCAGAGCCCCGGCGCA 255
Qy	181	CAGAGCACAG	GGCTCCCTCTTCAACGTCGGGACACAGTGGCCCTGACCTGTCTGACTTTGT 240
Db	256	CAGAGCACAG	GGCTCCCTCTTCAACGTCGGGACACAGTGGCCCTTGTTTTTTCAGTACTACCCAGC 300
Qy	241	GCTTGGTCT	GCTGATGGGCTGGCAGCCCTGGGGCTTTTGTTTTTTCAGTACTACCCAGC 375
Db	316	GCTTGGTCT	GCTGATGGGCTGGCAGCCCTGGGGCTTTTGTTTTTTCAGTACTACCCAGC 360
Qy	301	TCTCCAATAC	TCTGGTCAAGACACCACTTCTCAAAATGGAAGAAAGATTAGGAAATACGTCCC 360
Db	376	TCTCCAATAC	TCTGGTCAAGACACCACTTCTCAAAATGGAAGAAAGATTAGGAAATACGTCCC 435
Qy	361	AAGAGTTGCA	ATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG 420
Db	436	AAGAGTTGCA	ATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG 495
Qy	421	CTGAAAAACT	CTGTCTGAGCTGTATACAAGCTGGAGGACACAGAGTGCAGCCCTTGTA 480
Db	496	CTGAAAAACT	CTGTCTGAGCTGTATACAAGCTGGAGGACACAGAGTGCAGCCCTTGTA 555
Qy	481	CAGAACATG	GAATGGCATGGAGACAAATGCTACCAAGTCTTATAAAGACAGCAAAAGTT 540
Db	556	CAGAACATG	GAATGGCATGGAGACAAATGCTACCAAGTCTTATAAAGACAGCAAAAGTT 615
Qy	541	GGGAGGACT	GTAAATATTTTCCCTTAGTGAAACTCTACCAATGCTGAAGATAAACAAAC 600
Db	616	GGGAGGACT	GTAAATATTTTCCCTTAGTGAAACTCTACCAATGCTGAAGATAAACAAAC 675
Qy	601	AAGAAGACT	CTGGAATTTGCCCGCTCTCAGAGCTACTCTGAGTTTTTCTTACTCTTATTTGA 660
Db	676	AAGAAGACT	CTGGAATTTGCCCGCTCTCAGAGCTACTCTGAGTTTTTCTTACTCTTATTTGA 735
Qy	661	CAGGGCTTT	TTCGCCCTTGACAGTGGCAAGGCCTGGCTGTGGATGGATGGAACCCCTTTCA 720
Db	736	CAGGGCTTT	TTCGCCCTTGACAGTGGCAAGGCCTGGCTGTGGATGGATGGAACCCCTTTCA 795
Qy	721	CTTCTGAAC	TGTTCCATATTTATATAGATGTCCACAGCCCAAGAGCAGAGACTGTGTGG 780
Db	796	CTTCTGAAC	TGTTCCATATTTATATAGATGTCCACAGCCCAAGAGCAGAGACTGTGTGG 855
Qy	781	CCATCCTTA	TAAATGGGATGATCTTCTCAAAAGGACTGCAAAAGAAATTTGAAGCGTTGTGCTGTG 840
Db	856	CCATCCTTA	TAAATGGGATGATCTTCTCAAAAGGACTGCAAAAGAAATTTGAAGCGTTGTGCTGTG 915
Qy	841	AGAGAGGGC	AGGAATGTGTGAAGCCAGAGAGCCTTCATGTCCCCCTGAAACATTTAGGCG 900
Db	916	AGAGAGGGC	AGGAATGTGTGAAGCCAGAGAGCCTTCATGTCCCCCTGAAACATTTAGGCG 975

gene therapy; cardiovascular disorder; endothelial disorder; cancer;
 angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
 age-related macular degeneration; arterial restenosis; angina;
 rheumatoid arthritis; myocardial infarction; thrombophlebitis;
 lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
 wound healing; chromosome mapping; gene mapping; gene; ss.

XX Homo sapiens.

XX WO200200690-A2.

XX 03-JAN-2002.

XX 20-JUN-2001; 2001WO-US019692.

XX 23-JUN-2000; 2000US-0213637P.

XX 20-JUL-2000; 2000US-0219556P.

XX 25-JUL-2000; 2000US-0220624P.

XX 25-JUL-2000; 2000US-0220654P.

XX 28-JUL-2000; 2000WO-US020710.

XX 02-AUG-2000; 2000US-0222695P.

XX 17-AUG-2000; 2000US-00643657.

XX 23-AUG-2000; 2000WO-US023522.

XX 24-AUG-2000; 2000WO-US023328.

XX 07-SEP-2000; 2000US-0230978P.

XX 18-SEP-2000; 2000US-00664610.

XX 18-SEP-2000; 2000US-00665350.

XX 24-OCT-2000; 2000US-0249222P.

XX 08-NOV-2000; 2000US-00709238.

XX 08-NOV-2000; 2000WO-US030952.

XX 10-NOV-2000; 2000WO-US030873.

XX 01-DEC-2000; 2000WO-US032678.

XX 20-DEC-2000; 2000US-00747259.

XX 22-JAN-2001; 2001US-00767609.

XX 28-FEB-2001; 2001US-00796498.

XX 28-FEB-2001; 2001WO-US008520.

XX 01-MAR-2001; 2001WO-US008666.

XX 09-MAR-2001; 2001US-00802706.

XX 14-MAR-2001; 2001US-00808689.

XX 22-MAR-2001; 2001US-00816744.

XX 05-APR-2001; 2001US-00828366.

XX 10-MAY-2001; 2001US-00854208.

XX 10-MAY-2001; 2001US-00854280.

XX 25-MAY-2001; 2001US-00866028.

XX 25-MAY-2001; 2001US-00866034.

XX 25-MAY-2001; 2001WO-US017092.

XX 30-MAY-2001; 2001US-00870574.

XX 30-MAY-2001; 2001WO-US017443.

XX 01-JUN-2001; 2001WO-US017800.

(GETH) GENENTECH INC.

Baker KP, Ferrara N, Gerber H, Gerecht ME, Goddard A;

Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;

Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;

WPI; 2002-090516/12.

P-PSDB; ABB84899.

One hundred and eighty seven nucleic acids encoding PRO polypeptides,
 useful in diagnosis and treatment of cardiovascular (e.g. myocardial
 infarction), endothelial or angiogenic disorders in a mammal.

Claim 2; Fig 165; 565pp; English.

ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to
 ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic,
 antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic
 activities, and can be used in gene therapy. The PRO polynucleotides,
 proteins, agonists and antagonists are useful for treating or diagnosing
 a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g.
 cardiac hypertrophy, trauma, cancer, age-related macular degeneration,

CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
 CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
 CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
 CC healing. The PRO polynucleotides have applications in molecular biology,
 CC including use as hybridisation probes, and in chromosome and gene
 CC mapping. ABL88259 to ABL88267 represent primers and probes used in the
 CC exemplification of the present invention

XX SQ: Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

Query Match 99.3%; Score 1764.4; DB 6; Length 1841;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCTCACAGTAGCCCGCGGCCCGAGGCAATCCGACCACTTCTACCTCAGCGCTGTAG 60
 DB 76 AGCTCACAGTAGCCCGCGGCCCGAGGCAATCCGACCACTTCTACCTCAGCGCTGTAG 135
 QY 61 GAATCCAGATGCAGGCCCAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACA 120
 DB 136 GAATCCAGATGCAGGCCCAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACA 195
 QY 121 CCACCATGAGCCTGCTCAAGCTCTGCGCACTCGGCATCCAGAGCCCGCGGCA 180
 DB 196 CCACCATGAGCCTGCTCAAGCTCTGCGCACTCGGCATCCAGAGCCCGCGGCA 255
 QY 181 CAGAGCACAGGCTCCCTCTTCAAAGTGGCAGCAGTGGCCCTGACCTCTGATCTTGT 240
 DB 256 CAGAGCACAGGCTCCCTCTTCAAAGTGGCAGCAGTGGCCCTGACCTCTGATCTTGT 315
 QY 241 GCTTGGTGTCTGATAGGCTGGCAGCCCTGGGCTTTGTTTTCAGTACTACGAC 300
 DB 316 GCTTGGTGTCTGATAGGCTGGCAGCCCTGGGCTTTGTTTTCAGTACTACGAC 375
 QY 301 TCTCCAATACTGGTCAAGACACCACTTCTCAATGGAGAAAGATTAGGAATACGCTCC 360
 DB 376 TCTCCAATACTGGTCAAGACACCACTTCTCAATGGAGAAAGATTAGGAATACGCTCC 435
 QY 361 AAGAGTGGCAATCTCTTCAAGTCCAGAAATATAAGCTTGAGAGTCTGAGAGTGTGG 420
 DB 436 AAGAGTGGCAATCTCTTCAAGTCCAGAAATATAAGCTTGAGAGTCTGAGAGTGTGG 495
 QY 421 CTGAAAACCTCTGCTGAGCTGTATACAAAGCTGGAGCACAAGTGCAGCCCTTGT 480
 DB 496 CTGAAAACCTCTGCTGAGCTGTATACAAAGCTGGAGCACAAGTGCAGCCCTTGT 555
 QY 481 CAGAAACAATGGAATGGCATGGCAATATGCTACAGTTCTATAAAGACAGCAAAAGTT 540
 DB 556 CAGAAACAATGGAATGGCATGGCAATATGCTACAGTTCTATAAAGACAGCAAAAGTT 615
 QY 541 GGGAGGACTGTAATATTTTCTGCTTGTAGTAAATCTTACCATGTGAAGATAAACAAC 600
 DB 616 GGGAGGACTGTAATATTTTCTGCTTGTAGTAAATCTTACCATGTGAAGATAAACAAC 675
 QY 601 AAGAGACCTGGAATTTGGCGGCTCTCAGAGTACTCTGAGTTTTTCTACTCTATTGGA 660
 DB 676 AAGAGACCTGGAATTTGGCGGCTCTCAGAGTACTCTGAGTTTTTCTACTCTATTGGA 735
 QY 661 CAGGCTTTTGGCGGCTCTCAGAGTACTCTGAGTTTTTCTACTCTATTGGA 720
 DB 736 CAGGCTTTTGGCGGCTCTCAGAGTACTCTGAGTTTTTCTACTCTATTGGA 795
 QY 721 CTTCTGAATGTTCCATATTTAATAGATGTCCAGAGCCCAAGAGACAGAGACTGTGTGG 780
 DB 796 CTTCTGAATGTTCCATATTTAATAGATGTCCAGAGCCCAAGAGACAGAGACTGTGTGG 855
 QY 781 CCATCCTTAATGGGATGATCTTCTCAAGGACTGCAAGAAATGAAGCTTGTCTGTG 840
 DB 856 CCATCCTCAATGGGATGATCTTCTCAAGGACTGCAAGAAATGAAGCTTGTCTGTG 915
 QY 841 ACAGAGGCGCAGGAATGTTGAAGCGCAGAGAGCTCCATGTCCTCCCTGAAACATTAGGGG 900
 DB 916 ACAGAGGCGCAGGAATGTTGAAGCGCAGAGAGCTCCATGTCCTCCCTGAAACATTAGGGG 975

XX 10-JUL-2003 (first entry)
DT cDNA encoding human PRO polypeptide #301.
XX Human; PRO polypeptide; secreted protein; transmembrane protein;
KW chromosome mapping; gene mapping; tumour; adrenal; lung; colon; breast;
KW prostate; rectal; cervical; liver; cancer; TNF-alpha;
KW tumour necrosis factor-alpha; proliferation; differentiation;
KW chondrocyte cell; bone disorder; cartilage disorder; sports injury;
KW arthritis; cytostatic; antiarthritic; osteopathic; gene therapy; gene;
XX ss.
XX Homo sapiens.
XX US2003036141-A1.
XX 20-FEB-2003.
XX 01-JUL-2002; 2002US-00187597.
XX 18-SEP-1997; 97US-0059263P.
PR 18-SEP-1997; 97US-0059266P.
PR 17-OCT-1997; 97US-0062250P.
PR 21-OCT-1997; 97US-0063486P.
PR 24-OCT-1997; 97US-0063120P.
PR 24-OCT-1997; 97US-0063121P.
PR 28-OCT-1997; 97US-0063540P.
PR 28-OCT-1997; 97US-0063541P.
PR 28-OCT-1997; 97US-0063544P.
PR 28-OCT-1997; 97US-0063564P.
PR 29-OCT-1997; 97US-0063734P.
PR 31-OCT-1997; 97US-0063870P.
PR 31-OCT-1997; 97US-0064103P.
PR 13-NOV-1997; 97US-0065311P.
PR 21-NOV-1997; 97US-0066120P.
PR 24-NOV-1997; 97US-0066466P.
PR 24-NOV-1997; 97US-0066772P.
PR 11-DEC-1997; 97US-0069333P.
PR 12-DEC-1997; 97US-0069425P.
PR 17-DEC-1997; 97US-0069870P.
PR 18-DEC-1997; 97US-0068017P.
PR 10-MAR-1998; 98US-0077450P.
PR 11-MAR-1998; 98US-0077632P.
PR 11-MAR-1998; 98US-0077649P.
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PR 08-APR-1998; 98US-0081043P.
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PR 09-APR-1998; 98US-0081195P.
PR 15-APR-1998; 98US-0081838P.
PR 21-APR-1998; 98US-0082568P.
PR 21-APR-1998; 98US-0082569P.
PR 22-APR-1998; 98US-0082704P.
PR 22-APR-1998; 98US-0082797P.
PR 28-APR-1998; 98US-0083322P.
PR 29-APR-1998; 98US-0083495P.
PR 29-APR-1998; 98US-0083496P.
PR 29-APR-1998; 98US-0083499P.
PR 29-APR-1998; 98US-0083553P.
PR 05-MAY-1998; 98US-0084366P.
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PR 07-MAY-1998; 98US-0084639P.
PR 07-MAY-1998; 98US-0084640P.
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PR 15-MAY-1998; 98US-0085579P.
PR 15-MAY-1998; 98US-0085580P.
PR 15-MAY-1998; 98US-0085582P.
PR 15-MAY-1998; 98US-0085700P.
PR 18-MAY-1998; 98US-0086023P.
PR 22-MAY-1998; 98US-0086392P.
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PR 28-MAY-1998; 98US-0087098P.
PR 28-MAY-1998; 98US-0087208P.
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PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088025P.
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PR 11-JUN-1998; 98US-0088863P.
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PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
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PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091626P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095988P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096867P.

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PR 17-AUG-1998; 98US-0096891P.
PR 17-AUG-1998; 98US-0096897P.
PR 18-AUG-1998; 98US-0096949P.
PR 18-AUG-1998; 98US-0096959P.
PR 18-AUG-1998; 98US-0097022P.
PR 26-AUG-1998; 98US-0097952P.
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PR 10-SEP-1998; 98US-0099812P.
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PR 17-SEP-1998; 98US-0100930P.
PR 18-SEP-1998; 98US-0100849P.
PR 18-SEP-1998; 98US-0101014P.
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PR 24-SEP-1998; 98US-0101743P.
PR 24-SEP-1998; 98US-0101922P.
PR 25-SEP-1998; 98US-0101786P.
PR 29-SEP-1998; 98US-0102207P.
PR 29-SEP-1998; 98US-0102240P.
PR 29-SEP-1998; 98US-0102330P.
PR 29-SEP-1998; 98US-0102331P.
PR 30-SEP-1998; 98US-0102487P.
PR 30-SEP-1998; 98US-0102570P.
PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.

Query Match 99.3%; Score 1764.4; DB 8; Length 1841;
Best Local Similarity 99.9%; Pred No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCTCACAGTAGCCCGCGGCCCGGCAATCCGACCAATTCATCTCACCGCTGTAG 60
DB 76 AGCTCACAGTAGCCCGCGGCCCGGCAATCCGACCAATTCATCTCACCGCTGTAG 135
QY 61 GAATCCAGATGAGGCCCAAGTACAGCAGCAGGAGCATGCTGATGATGATGAGGACA 120
DB 136 GAATCCAGATGAGGCCCAAGTACAGCAGCAGGAGCATGCTGATGATGATGAGGACA 195
QY 121 CCACATGAGCTGATTCATCAAGCTCTGCCACAACCTCGGCATCCAGAGCCCGCGGCA 180
DB 196 CCACATGAGCTGATTCATCAAGCTCTGCCACAACCTCGGCATCCAGAGCCCGCGGCA 255
QY 181 CAGACACAGGCTCCCTCTTCAAGTGGCGACCAAGTGGCCCTGACCCCTGCTGATTTGT 240
DB 256 CAGACACAGGCTCCCTCTTCAAGTGGCGACCAAGTGGCCCTGCTGATTTGT 315
QY 241 GCTTGGTCTGCTGATAGGGCTGGCGGCCCTTGTGTTTTTTCAGTACTACACAGC 300
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DB 316 GCTTGGTCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTCAGTACTACACAGC 375
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DB 376 TCTCCAATPACTGGTCAAGACACCAATTTCTCAATAGGAAGAAAGATTAGGAATACGTCCC 435
QY 361 AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG 420
DB 436 AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG 495
QY 421 CTGAAAAACTCTGCTGAGCTGTATATAAAGCTGGAGACACACAGGTGCGACCCCTTGTGA 480
DB 496 CTGAAAAACTCTGCTGAGCTGTATATAAAGCTGGAGACACACAGGTGCGACCCCTTGTGA 555
QY 481 CAGAACATGGAATGGCATGGAGCAATTCCTACAGTTCTATAAAGACAGCAAAAGTT 540
DB 556 CAGAACATGGAATGGCATGGAGCAATTCCTACAGTTCTATAAAGACAGCAAAAGTT 615
QY 541 GGGAGGACTGTAAATATTTCTGCTTAGTGAATCTTACCATGCTGAAGATAAACAAC 600
DB 616 GGGAGGACTGTAAATATTTCTGCTTAGTGAATCTTACCATGCTGAAGATAAACAAC 675
QY 601 AAGAGAGCTCGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATGGA 660
DB 676 AAGAGAGCTCGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATGGA 735
QY 661 CAGGCTTTTTCGCGCTGACAGTGGCAAGGCTGCTGTGGATGGATGGAAACCCCTTTCA 720
DB 736 CAGGCTTTTTCGCGCTGACAGTGGCAAGGCTGCTGTGGATGGATGGAAACCCCTTTCA 795
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DB 796 CTTCTGAACCTGTTCCATATATATAGATGTCACAGCCCAAGAGCAGAGACTGTGTTGG 855
QY 781 CCATCTTAAATGGGATGATCTTCTCAAGAGACTGCAAGAAATGGAAGCTGTGTCTGTG 840
DB 856 CCATCTTAAATGGGATGATCTTCTCAAGAGACTGCAAGAAATGGAAGCTGTGTCTGTG 915
QY 841 AGAGAAGGGCAGGAATGGTGAAGCAGAGAGCCCTCCATGTCCCCCTGAAACATTAGGCG 900
DB 916 AGAGAAGGGCAGGAATGGTGAAGCAGAGAGCCCTCCATGTCCCCCTGAAACATTAGGCG 975
QY 901 AAGGTGACTGATTTGCGCCCTCTGCAACTCAAAATAGCAGAGTGCAGCCGCTGCAAG 960
DB 976 AAGGTGACTGATTTGCGCCCTCTGCAACTCAAAATAGCAGAGTGCAGCCGCTGCAAG 1035
QY 961 CAAGGGCTAGTTGAGACATTCGGGAAATGGAACATAATCAGGAAGACTATCTCTGACT 1020
DB 1036 CAAGGGCTAGTTGAGACATTCGGGAAATGGAACATAATCAGGAAGACTATCTCTGACT 1095
QY 1021 AGTACAAAATGGGTTCTCGTGTTCCTGTTTTCAGGATCACAGCAATTTCTGAGCTTGGTT 1080
DB 1096 AGTACAAAATGGGTTCTCGTGTTCCTGTTTTCAGGATCACAGCAATTTCTGAGCTTGGTT 1155
QY 1081 TATGCACTATTTAACTGACACAGAGCTCTTATTTATCATGCCACCAACCACTCAGAA 1140
DB 1156 TATGCACTATTTAACTGACACAGAGCTCTTATTTATCATGCCACCAACCACTCAGAA 1215
QY 1141 ACCCATATGTCATCTGCTTCTGGCTTACAGATAAATTTTAGCTCTCTTCTCTCAA 1200
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QY 1261 TTGAAGTAGAGGAATAATACATTGAGGTAACTCTCTTTCTGACAGTCAAGTATGTCATC 1320
DB 1336 TTGAAGTAGAGGAATAATACATTGAGGTAACTCTCTTTCTGACAGTCAAGTATGTCATC 1395
QY 1321 AGAATTTGGCAGTCACTTCCAGATGTCAGGAAATACACAGGAATTTCTTTTGT 1380
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CC a method for detecting the presence of tumour in a mammal and an
CC oligonucleotide probe derived from any of the nucleotide sequences cited
CC above. The PRO polypeptide or anti-PRO antibody is useful for preparing a
CC medicament for treating a condition that is responsive to the PRO
CC polypeptide or anti-PRO antibody. The PRO nucleotide sequences are useful
CC as hybridisation probes in chromosome and gene mapping, or in generating
CC anti-sense RNA and DNA. PRO nucleic acids are also useful in preparing PRO
CC polypeptides, in assays to identify other proteins or molecules involved
CC in a binding reaction, to generate transgenic animals or knockout
CC animals, which in turn are useful in the development and screening of
CC therapeutically useful reagents, for chromosome identification, and
CC tissue typing. The PRO polypeptides and nucleic acid molecules are also
CC useful for detecting the presence of a tumour in a mammal, stimulating the
CC proliferation or differentiation of chondrocyte cells, stimulating the
CC release of tumour necrosis factor- α from human blood, in gene
CC therapy, or as molecular markers for protein electrophoresis
CC purposes. The anti-PRO antibodies may be used in diagnostic assays for
CC PRO, or for the affinity purification of PRO from recombinant cell
CC culture or natural sources. The present sequence is a cDNA encoding a PRO
CC protein
XX

SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

Query Match 99.3%; Score 1764.4; DB 8; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 AGCTCACAGTAGCCCGGGCCCGAGGGCAATCCGACCAATTTCACTCTCACCGCTGTAG 60
DB 76 AGCTCACAGTAGCCCGGGCCCGAGGGCAATCCGACCAATTTCACTCTCACCGCTGTAG 135
QY 61 GAATCCAGATGACGAGCAAGTACAGCAGCAGCAGGAGCATGCTGGATGATGAGGGACA 120
DB 136 GAATCCAGATGACGAGCAAGTACAGCAGCAGCAGGAGCATGCTGGATGATGAGGGACA 195
QY 121 CCACCATGAGCTGCAATCTCAAGCTCTGCCACCACTCGGCATCCAGAGCCCGCGCA 180
DB 196 CCACCATGAGCTGCAATCTCAAGCTCTGCCACCACTCGGCATCCAGAGCCCGCGCA 255
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DB 256 CAGAGCAGAGGGCTCCCTCTTCAAGTGGCGACAGTGGCCCTGACCCCTGCTGACTTTGT 315
QY 241 GCTTGGTGTCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTCAGTACTACAGC 300
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QY 601 AAGAGACTGGAATTTGCGCGTCTCAGAGCTACTCTGAGTTTTCCTCTTATTTGA 660
DB 676 AAGAGACTGGAATTTGCGCGTCTCAGAGCTACTCTGAGTTTTCCTCTTATTTGA 735
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DB 736 CAGGGCTTTTGGCCCTGACAGTGGCAAGGCTGGCTGGATGGATGGAAACCCCTTTCA 795
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RESULT 11
ID ACA06000 standard; cDNA; 1841 BP.
XX AC ACA06000;
XX DT 29-MAY-2003 (first entry)
XX DE Human secreted/transmembrane protein (PRO) cDNA #301.
XX KW Human; gene; ss; secreted and transmembrane protein; PRO; TNF-alpha;
KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
KW tissue typing.
XX OS Homo sapiens.
XX PN US2003036162-A1.
XX PD 20-FEB-2003.
XX PF 12-JUL-2002; 2002US-00194423.
XX PR 26-JUN-1998; 98US-00105413.
PR 16-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
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PR 25-AUG-1999; 99US-00380142.
PR 01-SEP-1999; 99WO-US020111.
PR 15-SEP-1999; 99WO-US021090.
PR 18-OCT-1999; 99US-00403297.
PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
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PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000WO-US024848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 01-DEC-2000; 2000WO-US030952.
PR 20-DEC-2000; 2000US-00747259.
PR 28-FEB-2001; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.

10-MAY-2001; 2001US-00854280.
25-MAY-2001; 2001US-00866028.
01-JUN-2001; 2001WO-US017800.
05-JUN-2001; 2001US-00874503.
20-JUN-2001; 2001WO-US019892.
29-JUN-2001; 2001WO-US021066.
09-JUL-2001; 2001WO-US021735.
18-JUL-2001; 2001US-00908827.
30-JUL-2001; 2001US-00918585.
06-AUG-2001; 2001US-00924419.
13-AUG-2001; 2001US-00929404.
16-AUG-2001; 2001US-00931836.
28-AUG-2001; 2001US-00941992.
29-AUG-2001; 2001WO-US027099.
04-SEP-2001; 2001US-00946374.
15-JAN-2002; 2002US-00052586.
XX (GETH ) GENENTECH INC.
XX PA Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
XX PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX PR WPI; 2003-332039/31.
XX PS P-PSDB; ABU67706.
XX PT New secreted and transmembrane PRO polypeptides and nucleic acids, useful
PT in gene therapy, in chromosome and gene mapping, as chromosome markers,
PT in tissue typing, and in chromosome identification.
XX Claim 2; Fig 601; 706pp; English.
XX The invention discloses human nucleic acids encoding secreted and
transmembrane (PRO) polypeptides. Also disclosed is an antibody that
specifically binds to the PRO polypeptide, a method for stimulating the
release of tumour necrosis factor alpha (TNF-alpha) from human blood by
contacting the blood a PRO polypeptide, a method for stimulating the
proliferation or differentiation of chondrocyte cells by contacting the
cells with a PRO polypeptide, a method for detecting the presence of a
tumour in a mammal and an oligonucleotide probe derived from any of the
PRO nucleotide sequences. The nucleotide sequences are useful as probes,
in chromosome and gene mapping, in generating antisense RNA and DNA, in
preparing PRO polypeptides by recombinant techniques and in gene therapy
(e.g. for replacement of defective gene). The PRO polypeptides are useful
as molecular weight markers for protein electrophoresis purposes, for
chromosome identification, as chromosome markers, as therapeutic agents,
for stimulating the release of TNF-alpha from human blood, for
stimulating the proliferation or differentiation of chondrocytes and
detecting the presence of a tumour. The PRO polypeptides and nucleic
acids may also be used diagnostically for tissue typing. The sequences
presented in ACA05700-ACA06004 are the cDNAs encoding the PRO
polypeptides of the invention
XX Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
Query Match 99.3%; Score 1764.4; DB 8; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 AGCTCAGTAGCCCGCGCGCCAGGGCAATCCAGCAATTCACATTCACCTCACCCTGTAG 60
Db 76 AGCTCAGTAGCCCGCGCGCCAGGGCAATCCAGCAATTCACCTCACCCTGTAG 135
QY 61 GAATCCAGATGACGAGCAAGTACAGCAGCAGGAGCATCTGATGATGATGGGACA 120
Db 136 GAATCCAGATGACGAGCAAGTACAGCAGCAGGAGCATCTGATGATGATGGGACA 195
QY 121 CCACCATGAGCTGCAATTCCTCAAGCCTCTGCCACAATTCGGCATCCAGAGCCCGGCCA 180
Db 196 CCACCATGAGCTGCAATTCCTCAAGCCTCTGCCACAATTCGGCATCCAGAGCCCGGCCA 255
QY 181 CAGAGCAGAGGGCTCCCTCTTCAAGTGGCCAGCAGTGGCCCTGACCTGTGACTTTGT 240
Db 256 CAGAGCAGAGGGCTCCCTCTTCAAGTGGCCAGCAGTGGCCCTGACCTGTGACTTTGT 315
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QY 241 GCTTGGTGTCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTCTTTTTCAGTACTACCAGC 300
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QY 301 TCTCCAAATCTGGTCAAGACACCATTTCTCAATAGGAAGAAAGATTAGGAATACGTCC 360
Db 376 TCTCCAAATCTGGTCAAGACACCATTTCTCAATAGGAAGAAAGATTAGGAATACGTCC 435
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Db 436 AAGAGTTGCAATCTCTTTCAAGTCCAGAAATATAAAGCTTCAGGAAGTCTGCAGCATGTGG 495
QY 421 CTGAAATCTCTGCTGGAGCTGTATACCAAGCTGGAGCACACAGGTGCAGCCCTTGT 480
Db 496 CTGAAATCTCTGCTGGAGCTGTATACCAAGCTGGAGCACACAGGTGCAGCCCTTGT 555
QY 481 CAGAACATAGGAATGGCATGGAGCAATTTGCTACCAAGTCTTATAAAGACAGCAAAAGTT 540
Db 556 CAGAACATAGGAATGGCATGGAGCAATTTGCTACCAAGTCTTATAAAGACAGCAAAAGTT 615
QY 541 GGGAGGACTGTAAATATTTCTGCTTGTAGTAAACTCTACCATGTGGAAGATTAACAAC 600
Db 616 GGGAGGACTGTAAATATTTCTGCTTGTAGTAAACTCTACCATGTGGAAGATTAACAAC 675
QY 601 AAGAAGACCTGAAATTTGGCGGTCTCAGAGCTACTCTGAGTTTCTTACTTATTTGA 660
Db 676 AAGAAGACCTGAAATTTGGCGGTCTCAGAGCTACTCTGAGTTTCTTACTTATTTGA 735
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Db 736 CAGGGCTTTTGGCCCTGACAGTGGCAAGCCCTGGCTGGATGGATGGAACCCCTTTCA 795
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QY 781 CCATCTCTTAATGGATGATCTTCTAAAGGACTGCAAGGACTGCAAGGACTGCAAGGACTGCAAGG 840
Db 856 CCATCTCTTAATGGATGATCTTCTAAAGGACTGCAAGGACTGCAAGGACTGCAAGGACTGCAAGG 915
QY 841 AAGAAGGCGCAGGAATGGTGAAGCCAGAGAGCTCCATGCTCCCTGAAACATTAGGCG 900
Db 916 AAGAAGGCGCAGGAATGGTGAAGCCAGAGAGCTCCATGCTCCCTGAAACATTAGGCG 975
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Db 976 AAGGTGACTGATTGCGCCCTCTGCAACTACAATAGCAGAGTGAAGCAGGCGGTGCAAG 1035
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QY 1261 TTGAAGTAGAGGAATATACATTGAGGTAAACATCTTTTCTCTGACAGTCAAGTAGTCCATC 1320
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QY 1321 AGAAATTCGCACTTCCAGATTGTACCAAGCAAAATACACAAGAAATTTCTTTTGT 1380
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Db 1516 TGCCGTTTCCCAAGAGGATGTCACTTGATATGAGAAATCTCAATCTCAATGCTTTATAA 1575
QY 1501 GCATTCCTTCTGCTGCTCATTAAAGACTCTGATAATTTGTCTCCCTCCATAGGAATTTCTC 1560
Db 1576 GCATTCCTTCTGCTGCTCATTAAAGACTCTGATAATTTGTCTCCCTCCATAGGAATTTCTC 1635
QY 1561 CCAGGAAAGAAATATATCCCATCTCCGTTTTCATATCAGAACTACCGTCCCGATATTC 1620
Db 1636 CCAGGAAAGAAATATATCCCATCTCCGTTTTCATATCAGAACTACCGTCCCGATATTC 1695
QY 1621 CTTTCAGAGAGATTAAAGACCCAGAAAAGTGAAGCTCTTTCATCTGCACTGTAAATAGTTT 1680
Db 1696 CTTTCAGAGAGATTAAAGACCCAGAAAAGTGAAGCTCTTTCATCTGCACCTGTAAATAGTTT 1755
QY 1681 CAGTTTCTTATTTTCTTCCATTTGACCCATATTTATACCTTTTCAAGTACTGGAAGATTTAATA 1740
Db 1756 CAGTTTCTTATTTTCTTCCATTTGACCCATATTTATACCTTTTCAAGTACTGGAAGATTTAATA 1815
QY 1741 ATAATAAATGTAAATATCTGTGAAAAA 1766
Db 1816 ATAATAAATGTAAATATCTGTGAAAAA 1841
RESULT 12
ACA66834
ID ACA66834 standard; cDNA; 1841 BP.
XX ACA66834;
XX
XX 23-JUN-2003 (first entry)
XX cDNA encoding human PRO protein #301.
XX Human; tumour; adrenal; lung; colon; breast; prostate; rectal; cervical;
XX liver; PRO; gene therapy; gene; ss.
XX Homo sapiens.
XX
XX US2003036137-A1.
XX
XX 20-FEB-2003.
XX
XX 27-JUN-2002; 2002US-00184640.
XX
XX 26-JUN-1998; 98US-00105413.
XX 16-SEP-1998; 98WO-US019330.
XX 07-OCT-1998; 98US-00168978.
XX 07-OCT-1998; 98WO-US021141.
XX 06-NOV-1998; 98US-00187368.
XX 01-DEC-1998; 98WO-US025108.
XX 07-DEC-1998; 98US-00202054.
XX 03-MAR-1999; 99US-00254311.
XX 08-MAR-1999; 99WO-US005028.
XX 14-MAY-1999; 99US-00311833.
XX 14-MAY-1999; 99WO-US010733.
XX 02-JUN-1999; 99WO-US012252.
XX 25-AUG-1999; 99US-00380137.
XX 25-AUG-1999; 99US-00380138.
XX 25-AUG-1999; 99US-00380139.
XX 01-SEP-1999; 99US-00380142.
XX 01-SEP-1999; 99WO-US020111.
XX 15-SEP-1999; 99WO-US021090.
XX 18-OCT-1999; 99US-00403297.

PR 12-NOV-1999; 99US-00423844.
PR 01-DEC-1999; 99WO-US028301.
PR 02-DEC-1999; 99WO-US028551.
PR 30-DEC-1999; 99WO-US031274.
PR 05-JAN-2000; 2000WO-US000219.
PR 18-FEB-2000; 2000WO-US004341.
PR 18-FEB-2000; 2000WO-US004342.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US005004.
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
PR 30-MAR-2000; 2000WO-US008439.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 18-SEP-2000; 2000US-00664610.
PR 18-SEP-2000; 2000US-00665350.
PR 08-NOV-2000; 2000US-00709238.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 20-DEC-2000; 2000US-00747259.
PR 20-DEC-2000; 2000WO-US034956.
PR 28-FEB-2001; 2001WO-US006520.
PR 22-MAR-2001; 2001US-00816744.
PR 10-MAY-2001; 2001US-00854208.
PR 10-MAY-2001; 2001US-00854280.
PR 25-MAY-2001; 2001US-00866028.
PR 01-JUN-2001; 2001WO-US017800.
PR 05-JUN-2001; 2001US-00874503.
PR 20-JUN-2001; 2001WO-US019692.
PR 29-JUN-2001; 2001WO-US021086.
PR 09-JUL-2001; 2001WO-US021735.
PR 18-JUL-2001; 2001US-00908827.
PR 30-JUL-2001; 2001US-00918585.
PR 06-AUG-2001; 2001US-00924419.
PR 13-AUG-2001; 2001US-00929404.
PR 16-AUG-2001; 2001US-00931836.
PR 28-AUG-2001; 2001US-00941992.
PR 29-AUG-2001; 2001WO-US027099.
PR 04-SEP-2001; 2001US-00946374.
PR 15-JAN-2002; 2002US-00052586.

(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL,
Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-342038/32.
P-PSDB; AB080734.

Three hundred and five nucleic acids encoding secreted and transmembrane
PRO polypeptides, useful for the diagnosis, prevention and/or treatment
of tumors, such as adrenal, lung, colon, breast, prostate, rectal,
cervical or liver tumors.

Claim 2; Fig 601; 709pp; English.

The invention relates to three hundred and five nucleic acids encoding
PRO polypeptides (secreted and transmembrane). Methods and compositions
of the present invention are useful for the diagnosis, prevention and/or
treatment of tumors, such as adrenal, lung, colon, breast, prostate,
rectal, cervical or liver tumors. The PRO polypeptides are also useful
as molecular weight markers, or for chromosome identification. The PRO
genes are useful as hybridisation probes, or for screening libraries of
human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene
therapy, particularly for replacing a defective gene. The present
sequence represents a cDNA encoding a human PRO polypeptide of the
invention

XX SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
Query Match
Best Local Similarity 99.3%; Score 1764.4; DB 8; Length 1841;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 AGCTCACAGTAGCCCGCGGCCAGGGCAATCCCAACCAATTTCACCTCACCCTGTAG 60
DB 76 AGCTCACAGTAGCCCGCGGCCAGGGCAATCCCAACCAATTTCACCTCACCCTGTAG 135
QY 61 GAATCCAGATCCAGGCCCAAGTACAGCAGCAGAGGACATCTGGATGATATGGGACA 120
DB 136 GAATCCAGATCCAGGCCCAAGTACAGCAGCAGAGGACATCTGGATGATATGGGACA 195
QY 121 CCACCATGAGCCTGCATTTCTCAAGCCTCTGCACCAACTCGGCATCCAGAGCCCGCGCA 180
DB 196 CCACCATGAGCCTGCATTTCTCAAGCCTCTGCACCAACTCGGCATCCAGAGCCCGCGCA 255
QY 181 CAGAGCACAGGGCTCCCTCTTTCAAGTGGCGACAGTGGCCCTGACCTGTGACTTTGT 240
DB 256 CAGAGCACAGGGCTCCCTCTTTCAAGTGGCGACAGTGGCCCTGACCTGTGACTTTGT 315
QY 241 GCTTGGTCTGCTGATAGGCTGGCAGCCCTGGGGCTTTTCTTTTTCAGTACTACACAG 300
DB 316 GCTTGGTCTGCTGATAGGCTGGCAGCCCTGGGGCTTTTCTTTTTCAGTACTACACAG 375
QY 301 TCTCCAATACCTGGTCAAGACACCAATTTCTCAATGGAAAGAAAGATTAGGAATACGTC 360
DB 376 TCTCCAATACCTGGTCAAGACACCAATTTCTCAATGGAAAGAAAGATTAGGAATACGTC 435
QY 361 AAGAGTTGCAATCTCTTCAAGTCCAGAAATAAAGCTTGCAGGAAGTCTGCAGCATGTGG 420
DB 436 AAGAGTTGCAATCTCTTCAAGTCCAGAAATAAAGCTTGCAGGAAGTCTGCAGCATGTGG 495
QY 421 CTGAAAAACTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGTGGCAGCCCTTCTA 480
DB 496 CTGAAAAACTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGTGGCAGCCCTTCTA 555
QY 481 CAGAACTGAAATGGCATGGAGACAATTCCTACCACTTCTATAAAGACAGCAAAAGTT 540
DB 556 CAGAACTGAAATGGCATGGAGACAATTCCTACCACTTCTATAAAGACAGCAAAAGTT 615
QY 541 GGGAGGACTGTAAATATTTCTGCCTTAGTAAAACTCTACCATGCTGAAGATAAACAAAC 600
DB 616 GGGAGGACTGTAAATATTTCTGCCTTAGTAAAACTCTACCATGCTGAAGATAAACAAAC 675
QY 601 AAGAGACTGGAATTTGCGCGCTCTCAGACTACTCTGAGTTTCTTACTTATTGGA 660
DB 676 AAGAGACTGGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTCTTACTTATTGGA 735
QY 661 CAGGCTTTTTCGCCCTCAGCAGTGGCAAGGCTGGCTGTGGATGGATGGAACCCCTTTCA 720
DB 736 CAGGCTTTTTCGCCCTCAGCAGTGGCAAGGCTGGCTGTGGATGGATGGAACCCCTTTCA 795
QY 721 CTTCTGAACTGTTCATATTAATAGATGTACACAGCCCAAGAGAGAGAGAGAGAGAGAG 780
DB 796 CTTCTGAACTGTTCATATTAATAGATGTACACAGCCCAAGAGAGAGAGAGAGAGAGAG 855
QY 781 CCATCTTAATGGGATGATCTTCTCAAGGACTGCAAGAAATGGAAGCTGTGCTGTG 840
DB 856 CCATCTCTCAATGGGATGATCTTCTCAAGGACTGCAAGAAATGGAAGCTGTGCTGTG 915
QY 841 AGAGAAGGGCAGGAATGGTGAAGCCAGAGAGCCTCCATGTCCCCCTCGAAACATTAGGCG 900
DB 916 AGAGAAGGGCAGGAATGGTGAAGCCAGAGAGCCTCCATGTCCCCCTCGAAACATTAGGCG 975
QY 901 AAGGTGACTGATTCGCCCTCTGCAACTACAATAGCAGAGTGAAGCAGCGGTGCAAG 960
DB 976 AAGGTGACTGATTCGCCCTCTGCAACTACAATAGCAGAGTGAAGCAGCGGTGCAAG 1035
QY 961 CAGGGCTAGTTGAGACATTTGGAAATGGAACATATCAGGAAGACTATCTCTGACT 1020

PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US022031.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.
PR 28-FEB-2001; 2001WO-US006520.
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PR 29-JUN-2001; 2001WO-US021066.
PR 09-JUL-2001; 2001WO-US021735.
PR 28-AUG-2001; 2001WO-US021992.
XX
PA (GETH) GENENTECH INC.
XX
PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
PI Grimaldi JC, Gurney AL, Kijavlin IJ, Napier MA, Pan J, Paoni NF;
PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
PI Zhang Z;
XX
DR WPI; 2003-352829/33.
DR P-PSDB; ABU72542.
XX
XX New genes and secreted and transmembrane polypeptides (e.g. PRO183 or
PT PRO184), useful for treating or diagnosing e.g. ovarian cancer, Kaposi's
PT sarcoma, leukemia, lymphoma, hepatitis B, multiple sclerosis or Crohn's
PT disease.
XX
PS Claim 1; Fig 229; 663pp; English.
XX
XX The invention describes a new isolated nucleic acid molecule comprising
CC the full length coding sequence of the DNA deposited with the American
CC Type Culture Collection (e.g. ATCC Deposit No. 209621, 552-PTA, 819-PTA,
CC 209439, 203135, etc); or a sequence with at least 80% identity to a DNA
CC encoding a PRO polypeptide. The PRO polypeptides or polynucleotides are
CC useful as pharmaceuticals, diagnostics, biosensors or bioreactors. These
CC are particularly useful for detecting or treating e.g. malignancies or
CC cancers (e.g. ovarian cancer, colorectal cancer, Kaposi's sarcoma,
CC leukemia or lymphoma), hepatitis B, multiple sclerosis, or Crohn's
CC disease in mammals. The PRO polypeptides are useful in drug screening,
CC particularly as targets for therapeutic intervention in these diseases,
CC and in the diagnostic determination of the presence of these diseases.
CC The PRO polypeptides are also useful as molecular weight markers, or for
CC chromosome identification. The PRO genes are useful as hybridisation
CC probes, or for screening libraries of human cDNA, genomic DNA or mRNA.
CC The PRO genes may also be used in gene therapy, particularly for
CC replacing a defective gene. This sequence encodes a novel human secreted
CC and transmembrane PRO polypeptide
XX
SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
Query Match 99.3%; Score 1764.4; DB 8; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
XX
1 ACCTCACAGTAGCCGGCGGCCAGGCAATCCGACCAATTCATCTCACCGCTGTAG 60
|||||

Db 76 AGCTCACAGTAGCCGGCGGCCAGGGCAATCCGACCAATTTCACTCTCACCGCTGTAG 135
QY 61 GAATCCAGATCAGGCCAAGTACAGCAGCAGAGGACATGCTGGATGATGATGGGACA 120
Db 136 GAATCCAGATCAGGCCAAGTACAGCAGCAGAGGACATGCTGGATGATGATGGGACA 195
QY 121 CCACCATGAGCCTGCAATTTCTCAAGCCTCTGCGCAACAATCTCGGCATCCAGAGCCCGCGCA 180
Db 196 CCACCATGAGCCTGCAATTTCTCAAGCCTCTGCGCAACAATCTCGGCATCCAGAGCCCGCGCA 255
QY 181 CAGAGCAGAGGCTCCCTCTTCAAGCTGGGACCAAGTGGCCCTGACCTGCTGACTTTGT 240
Db 256 CAGAGCAGAGGCTCCCTCTTCAAGCTGGGACCAAGTGGCCCTGACCTGCTGACTTTGT 315
QY 241 GCTTGGTCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTCTTTTTCAGTACTACACAGC 300
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QY 301 TCTCCAATPACTGGTCAAGACACCAATTTCTCAAAATGGAAGAAAGATTAGGAATACGTC 360
Db 376 TCTCCAATPACTGGTCAAGACACCAATTTCTCAAAATGGAAGAAAGATTAGGAATACGTC 435
QY 361 AAGAGTTCATCTCTTCAAGTCCAGATATATAAGCTTGCAGGAGTCTGCAGCATGTGG 420
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QY 421 CTGAAAAAATCTGTGTGAGCTGTATATAAAGCTGGAGCACAAGGTGCAGCCCTTGT 480
Db 496 CTGAAAAAATCTGTGTGAGCTGTATATAAAGCTGGAGCACAAGGTGCAGCCCTTGT 555
QY 481 CAGAACCAATGGAATGGCATGGAGCAATTCCTACAGTCTTATATAAGCAGCAAAAGTT 540
Db 556 CAGAACCAATGGAATGGCATGGAGCAATTCCTACAGTCTTATATAAGCAGCAAAAGTT 615
QY 541 GGGAGGACTGTAATATATTTCTGCCTTAGTGAATCTTACCATCTGAGATTAACCAAC 600
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QY 601 AAGAGGACTGTAATATATTTCTGCCTTAGTGAATCTTACCATCTGAGATTTTCTACTTATGGA 660
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QY 661 CAGGCTTTTTCGCGCTGACAGTGCAGAGGCTGTGTGTGATGATGGAACCCCTTTCA 720
Db 736 CAGGCTTTTTCGCGCTGACAGTGCAGAGGCTGTGTGTGATGATGGAACCCCTTTCA 795
QY 721 CTCTGAACTGTTCCATATTTATAGATGTCACAGCCCAAGAGCAGAGCTGTGTGG 780
Db 796 CTCTGAACTGTTCCATATTTATAGATGTCACAGCCCAAGAGCAGAGCTGTGTGG 855
QY 781 CCATCTTAAATGGGATGATCTTCTCAAGGACTGCAAAAGATTTGAAGCTTTGTGTCTGTG 840
Db 856 CCATCTTAAATGGGATGATCTTCTCAAGGACTGCAAAAGATTTGAAGCTTTGTGTCTGTG 915
QY 841 AGAGAAGGCGCAGGAATGTTGAAGCAGAGAGCTTCATGTCCCTTCAAAATATTAGGG 900
Db 916 AGAGAAGGCGCAGGAATGTTGAAGCAGAGAGCTTCATGTCCCTTCAAAATATTAGGG 975
QY 901 AAGGTGACTGATTCGCCCTCTGCACTACAATAGCAGATGAGCCGCGTGCCTCAAG 960
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Db 1096 AGTACAAAATGGGTTCTCGTTTCTGTTTCCAGGATCAACAGCATTTCTGAGCTTGGGTT 1155
QY 1081 TATGACGCTATTTAAGCTGACAGAGTCTTATTTTACATGCCCAACCAACCTCAGAA 1140
Db 1156 TATGACGCTATTTAAGCTGACAGAGTCTTATTTTACATGCCCAACCAACCTCAGAA 1215


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PR 10-JUN-1998; 98US-0088740P.
PR 10-JUN-1998; 98US-0088811P.
PR 10-JUN-1998; 98US-0088824P.
PR 10-JUN-1998; 98US-0088825P.
PR 10-JUN-1998; 98US-0088826P.
PR 11-JUN-1998; 98US-0088861P.
PR 11-JUN-1998; 98US-0088863P.
PR 11-JUN-1998; 98US-0088876P.
PR 12-JUN-1998; 98US-0089090P.
PR 12-JUN-1998; 98US-0089105P.
PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
PR 17-JUN-1998; 98US-0089538P.
PR 17-JUN-1998; 98US-0089598P.
PR 17-JUN-1998; 98US-0089653P.
PR 18-JUN-1998; 98US-0089908P.
PR 19-JUN-1998; 98US-0089952P.
PR 22-JUN-1998; 98US-0090246P.
PR 22-JUN-1998; 98US-0090252P.
PR 22-JUN-1998; 98US-0090254P.
PR 24-JUN-1998; 98US-0090429P.
PR 24-JUN-1998; 98US-0090435P.
PR 24-JUN-1998; 98US-0090444P.
PR 24-JUN-1998; 98US-0090461P.
PR 24-JUN-1998; 98US-0090535P.
PR 24-JUN-1998; 98US-0090540P.
PR 25-JUN-1998; 98US-0090676P.
PR 25-JUN-1998; 98US-0090678P.
PR 25-JUN-1998; 98US-0090688P.
PR 25-JUN-1998; 98US-0090690P.
PR 25-JUN-1998; 98US-0090694P.
PR 25-JUN-1998; 98US-0090695P.
PR 25-JUN-1998; 98US-0090696P.
PR 26-JUN-1998; 98US-00105413.
PR 26-JUN-1998; 98US-0090862P.
PR 26-JUN-1998; 98US-0090863P.
PR 26-JUN-1998; 98US-0091010P.
PR 01-JUL-1998; 98US-0091359P.
PR 01-JUL-1998; 98US-0091544P.
PR 02-JUL-1998; 98US-0091478P.
PR 02-JUL-1998; 98US-0091486P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091628P.
PR 02-JUL-1998; 98US-0091632P.
PR 24-JUL-1998; 98US-0094006P.
PR 04-AUG-1998; 98US-0095282P.
PR 10-AUG-1998; 98US-0095998P.
PR 10-AUG-1998; 98US-0096012P.
PR 17-AUG-1998; 98US-0096757P.
PR 17-AUG-1998; 98US-0096766P.
PR 17-AUG-1998; 98US-0096891P.
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PR 30-SEP-1998; 98US-0102571P.
PR 01-OCT-1998; 98US-0102684P.
PR 01-OCT-1998; 98US-0102687P.
Query Match 99.3%; Score 1764.4; DB 8; Length 1841;
Best Local Similarity 99.9%; Pred. NO. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 AGCTCAGTAGCCGCGCGCCGAGGCAATCCGACCACTTCACTCTCACCGCTGTAG 60
Db 76 AGCTCAGTAGCCGCGCGCGCCGAGGCAATCCGACCACTTCACTCTCACCGCTGTAG 135
Qy 61 GAATCCAGATGACGAGGCAAGTACAGCAGCAGGAGGACATGCTGATGATGATGGGACA 120
Db 136 GANTCCAGATGAGGCAAGTACAGCAGCAGGAGGACATGCTGATGATGATGGGACA 195
Qy 121 CCACATGAGCTGCAATCTCAAGCTCTGCGCAAACTCGGATCCAGAGCCCGGCGGA 180
Db 196 CCACATGAGCTGCAATCTCAAGCTCTGCGCAAACTCGGATCCAGAGCCCGGCGGA 255
Qy 181 CAGAGCAGAGGCTCCCTCTCAAGTGGCGAGCAGTGGCCCTGACCTGCTGACTTTGT 240
Db 256 CAGAGCAGAGGCTCCCTCTCAAGTGGCGAGCAGTGGCCCTGACCTGCTGACTTTGT 315
Qy 241 GCTTGGTCTGCTGATAGGCTGGCAGCCCTGGGGCTTTTGTTCAGTACTACCGAGC 300
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KW chondrocyte; proliferation; differentiation; cartilage disorder;
KW bone disorder; arthritis; sports injury; cancer; tumour; diagnosis;
KW adrenal tumour; lung; colon; breast; prostate; kidney; rectum; cervix;
KW liver; drug screening; transgenic animal; genetic analysis;
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OM nucleic - nucleic search, using sw model

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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ALIGNMENTS

RESULT 1
BD074859
LOCUS
DEFINITION Secreted proteins and polynucleotide encoding the same.
ACCESSION BD074859
VERSION BD074859.1 GI:22620462
KEYWORDS JP 2001515717-A/1.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homidae; Homo.
REFERENCE 1 (bases 1 to 1776)
AUTHORS Jacobs,K., Mccoy,J.M., Lavallie,E.R., Racie,L.A., Evans,C.,
Merberg,D., Treacy,M., Agostino,M.J. and Spaulding,V.
TITLE Secreted proteins and polynucleotide encoding the same
JOURNAL Patent: JP 2001515717-A 1 25-SEP-2001;
GENETICS INSTITUTE INC
COMMENT OS Homo sapiens (human)
PN JP 2001515717-A/1
PD 25-SEP-2001
PF 08-SEP-1998 JP 2000510854
PR 08-SEP-1997 US 08/929007
PI KENNETH JACOBS,JOHN M MCCOY,EDWARD R LAVALLIE,LISA A RACIE, PI
PI DAVID MERBERG,MAURICE TREACY,MICHAEL J AGOSTINO,VIKKI PI
SPAUDLING
PC C12N15/09,A61K38/00,A61P43/00,C07K14/52,C12N1/21, PC
C12N5/10,
PC C12N15/00,A61K37/02,A61K37/18,C12N5/00
CC Secreted proteins and polynucleotide encoding the same FH
Key Location/Qualifiers
FT source 1..1776
FT /organism='Homo sapiens (human)'.
FEATURES
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Location/Qualifiers
1..1776
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Query Match 100.0%; Score 1776; DB 6; Length 1776;
Best Local Similarity 100.0%; Pred. No. 0;

Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB |||||
QY 136 GAATCCAGATGCGAGGCAAGTACAGCAGCAGGAGGACATGCTGGATGATGAGGGACA 195
DB |||||
QY 121 CCACCATGAGCCCTGCAATTTCTCAAGCCTCTGCCACAACTCGGCATCCAGAGCCCGCGCGCA 180
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RESULT 3

AR528680

LOCUS

DEFINITION

ACCESSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

FEATURES

SOURCE

ORIGIN

Query Match

Best Local Similarity

Matches 1765;

Conservative

0;

Mismatches

1;

Indels

0;

Gaps

0;

Sequence 457 from patent US 6725730.

AR528680.1 GI:53916758

Unknown.

Unclassified.

1 (bases 1 to 1841)

Bollinger, C.L. Jr.

Crane test weight assembly and method

Patent: US 6725730-A 457 27-APR-2004;

Location/Qualifiers

1, 1841

/organism="unknown"

/mol_type="genomic DNA"

Score 99.3%;

Length 1841;

Pred. No. 0;

Matches 1765;

Conservative

0;

Mismatches

1;

Indels

0;

Gaps

0;

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Db 76 AGCTCACAGTAGCCCGCGCGCCAGGGCAATCCGACCAATTTCACTCTCACCGCTGTAG 135
QY 61 GAATCCAGATGACAGGCAAGTACAGAGCAGCAGAGGACATGCTGGATGATGAGGAC 120
Db 136 GAATCCAGATGACAGGCAAGTACAGAGCAGCAGAGGACATGCTGGATGATGAGGAC 195
QY 121 CCACCATGAGCTGCAATCTCAAGCTCTGCCAAGCTCGGCATCCAGAGCCCGCGCA 180
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QY 541 GGGAGGACTGTAATATTTCTGCCCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAC 600
Db 616 GGGAGGACTGTAATATTTCTGCCCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAC 675
QY 601 AAGAAGCTGGAATTTGCGGCTCTCAGAGCTACCTGAGTTTCTCTATTTGGA 660
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RESULT 4

AX055702 LOCUS AX055702 1841 bp DNA linear PAT 13-JAN-2001
DEFINITION Sequence 17 from Patent WO0073348.
ACCESSION AX055702
VERSION AX055702.1 GI:12228834
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Carnivora; Hominidae; Homo.
REFERENCE 1
AUTHORS Baker, K.P., Goddard, A., Gurney, A.L., Hebert, C., Henzel, W.,
Kabakoff, R.C., Shelton, D.L., Smith, V., Watanabe, C.K. and Wood, W.I.
TITLE Methods and compositions for inhibiting neoplastic cell growth
JOURNAL Patent: WO 0073348-A 17 07-DEC-2000;
Genentech, Inc. (US)
FEATURES
source Location/Qualifiers
1.1841
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 99.3%; Score 1764.4; DB 6; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCTCACAGTAGCCCGCGCCAGGCAATCCGACACATTTCACTCTCACCGCTGTAG 60
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RESULT 5

AX376534 1841 bp DNA linear PAT 01-MAR-2002
LOCUS AX376534
DEFINITION Sequence 601 from Patent WO0168848.
ACCESSION AX376534
VERSION AX376534.1 GI:19170655
KEYWORDS
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
REFERENCE
AUTHORS Baker, K.P., Chen, J., Desnovers, L., Goddard, A., Godowski, P.J.,
Gurney, A.L., Pan, J., Smith, V., Watanabe, C.K., Wood, W.I. and
Zhang, Z.
TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same
JOURNAL Patent: WO 0168848-A 601 20-SEP-2001;
Genentech, Inc. (US)
FEATURES
Location/Qualifiers
1..1841

/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Query Match 99.3%; Score 1764.4; DB 6; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 AGCTCACAGTACCGCGGCGCCAGGCAATCCGACCACTTCACTCTCACCGCTGTAG 60
DB |||||
QY 76 AGCTCACAGTACCGCGGCGCCAGGCAATCCGACCACTTCACTCTCACCGCTGTAG 135
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QY 61 GAATCCAGATGACGCGCAAGTACAGCAGCAGCAGGAGCATGCTGGATGATGAGGGACA 120
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AX403431

LOCUS

DEFINITION

Sequence 318 from Patent WO0073454.

AX403431

ACCESSION

AX403431.1

VERSION

GI:21436942

KEYWORDS

SOURCE

Homo sapiens (human)

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1

REFERENCES

AUTHORS

Askenazi, A.J., Baker, K.P., Botstein, D., Desnoyers, L., Eaton, D.,

Perrara, N., Gerber, H., Gerritsen, M., Goddard, A., Godowski, P.,

Grimaldi, C.J., Gurney, A.L., Kljavin, I., Napier, M.A., Pan, J.,

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TITLE		Williams, P., Wood, W.I. and Zhang, Z.	
JOURNAL		Secreted and transmembrane polypeptides and nucleic acids encoding the same	
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Homiidae; Homo.
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Baker, K.P., Ferrara, N., Gerber, H., Gerritsen, M.E., Goddard, A., Godowski, P.J., Gurney, A.L., Hillan, K.J., Marsters, S.A., Pan, J., Paoni, N.P., Stephan, J.P., Watanabe, C.K., Williams, P.M., Wood, W.I. and Ye, W.

Compositions and methods for the diagnosis and treatment of disorders involving angiogenesis
Patent: WO 0208284-A 165 31-JAN-2002;
Genentech, Inc. (US) ; Baker, Kevin P. (US) ; Ferrara, Napoleone (US) ; Gerber, Hanspeter (US) ; Gerritsen, Mary E. (US) ; Goddard, Audrey (US) ; Godowski, Paul J. (US) ; Gurney, Austin L. (US) ; Hillan, Kenneth J. (US) ; Marsters, Scot A. (US) ; Pan, James (US) ; Paoni, Nicholas F. (US) ; Stephan, Jean-Philippe F. (US) ; Watanabe, Colin K. (US) ; Williams, P. Mickey (US) ; Wood, William I. (US)

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Baker, K.P., Beresini, M., DeForge, L., Desnoyers, L., Filvaroff, E.,
Gao, W.Q., Gerritsen, M.E., Goddard, A., Godowski, P.J., Gurney, A.L.,
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TITLE

JOURNAL

FEATURES
source

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Query Match 99.3%; Score 1764.4; DB 6; Length 1841;
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ACCESSION BC067746
VERSION BC067746.1 GI:45709962
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SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 2701)

REFERENCE
AUTHORS Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G.,
Klausner, R.D., Collins, P.S., Wagner, L., Shenmen, C.M., Schuler, G.D.,
Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K.,
Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F.,
Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L.,
Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L.,
Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S.,
Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J.,
Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J.,
McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S.,
Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W.,
Villalón, D.K., Muzny, D.N., Sodergren, E.J., Lu, X., Gibbs, R.A.,

Fahy, J., Helton, E., Kettman, M., Madan, A., Rodriguez, S.,
Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y.,
Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D.,
Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M.,
Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smalusz, D.E.,
Schnerch, A., Schein, J.E., Jones, S.J., and Marra, M.A.
Generation and initial analysis of more than 15,000 full-length
human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)

12477932
2 (bases 1 to 2701)
Strausberg, R.
Direct Submission
Submitted (19-MAR-2004) National Institutes of Health, Mammalian
Gene Collection (MGC), Cancer Genomics Office, National Cancer
Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgapbs-remail.nih.gov
Tissue Procurement: Dr. Stefan Hansson
cDNA Library Preparation: Michael Brownstein / Ted Usdin
Laboratory

cDNA library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human Genome
Center, Stanford University School of Medicine, Stanford, CA 94305
Web site: <http://www-shgc.stanford.edu>
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers,
R. M.

Clone distribution: MGC clone distribution information can be found
through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAK Plate: 168 Row: k Column: 9
This clone was selected for full length sequencing because it
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gene

CDS

ORIGIN

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DEFINITION Sequence 3296 from Patent EP1396543.
ACCESSION CO783156
VERSION CO783156.1 GI:45503089

KEYWORDS

SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

1 Ota, T., Nishikawa, T., Isogai, T., Hayashi, K., Ishii, S., Kawai, Y.,
Wakamatsu, A., Sugiyama, T., Nagai, K., Kojima, S., Otsuki, T. and
Koga, H.
Primers for synthesizing full length cDNA clones and their use
Patent: EP 1396543-A 3296 10-MAR-2004;
Research Association for Biotechnology (JP)

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DB	1741	AAATGTAATAATCTGTG 1756	

RESULT 13

BD127503	1756 bp	DNA	linear	PAT 18-SEP-2002
LOCUS	Primer for synthesizing full-length cDNA and use thereof.			
DEFINITION	BD127503			
ACCESSION	BD127503.1			
VERSION	GI:23222448			
KEYWORDS	JP 2002017375-A/2934.			
SOURCE	Homo sapiens (human)			
ORGANISM	Homo sapiens			
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.			
REFERENCE	1 (bases 1 to 1756)			

AUTHORS Ota,T., Nishikawa,T., Isogai,T., Hayaashi,K., Ishii,S., Kawai,Y.,
Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki,T. and
Koga,H.
TITLE Primer for synthesizing full-length cDNA and use thereof
JOURNAL HELIX RESEARCH INSTITUTE
COMMENT OS Homo sapiens (human)
PN JP 2002017375-A/2934
PD 22-JAN-2002 JP 2002053172
PF 07-JUL-2000 JP 2002053172
PI TOSHIO OTA,TETSUO NISHIKAWA,TAKAO ISOGAI,KOJI HAYASHI,SHIZUKO
PI ISHII,
PI YURI KAWAI,AI WAKAMATSU,TOMOYASU SUGIYAMA,KEIICHI NACAI, PI
SHINICHI KOJIMA,
PI TETSUO OTSUKI,HISASHI KOGA
PC
C12N15/09,C07K14/47,C07K16/18,C12N1/15,C12N1/19,C12N1/21,C12N5/ PC
10,
PC C12P21/02,C12Q1/68/C12P21/08,G06F17/30,C12N15/00,C12N5/00 CC
Primer for synthesizing full-length cDNA and use thereof FH Key
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Qy 1746 AAATGTAATAACTGTG 1761
Db 1741 AAATGTAATAACTGTG 1756

RESULT 14
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LOCUS AK075114 1756 bp mRNA linear PRI 03-SEP-2002
DEFINITION Homo sapiens cDNA FLJ90633 fis, clone PLACE1003573, weakly similar
to T-CELL SURFACE GLYCOPROTEIN YEI/48.
ACCESSION AK075114
VERSION AK075114.1 GI:22760991
KEYWORDS oligo capping; fis (full insert sequence).
SOURCE Homo sapiens
ORGANISM Homo sapiens (human)
REFERENCE 1
AUTHORS Isogai,T., Ota,T., Nishikawa,T., Hayashi,K., Otsuki,T.,
Sugiyama,T., Suzuki,Y., Nagai,K., Sugano,S., Ishii,S.,
Kawai-Hio,Y., Saito,K., Yamamoto,J., Wakamatsu,A., Nakamura,Y.,
Kojima,S., Nagahari,K., Masuho,Y., Ono,T., Okano,K., Yoshikawa,Y.,
Aotsuka,S., Sasaki,N., Hattori,A., Okumura,K., Iwayanagi,T. and
Ninomiya,K.
TITLE NEDO human cDNA sequencing project
JOURNAL Unpublished
REFERENCE 2 (bases 1 to 1756)
AUTHORS Isogai,T. and Otsuki,T.
TITLE Direct Submission
JOURNAL Submitted (25-MAR-2002) Takao Isogai, Helix Research Institute,
Genomics Laboratory; 1532-3 Yana, Kisarazu, Chiba 292-0812, Japan
(E-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986)
COMMENT NEDO human cDNA sequencing project supported by Ministry of
Economy, Trade and Industry of Japan; cDNA full insert sequencing:
Research Association for Biotechnology; cDNA library construction:
Institute of Medical Science, University of Tokyo, Laboratory of
Genome Structure, Human Genome Center; cDNA 5'- & 3'-end one pass
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ORIGIN
Query Match 98.9%; Score 1756; DB 9; Length 1756;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1756; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1741 AAGTGAATATCTGTG 1756

RESULT 15

BC039072

LOCUS

DEFINITION Homo sapiens C-type lectin-like receptor-1, mRNA (cDNA clone MGC:34328 IMAGE:5178017), complete cds.

ACCESSION BC039072

VERSION BC039072.1 GI:24660225

KEYWORDS MGC.

SOURCE Homo sapiens

ORGANISM Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1797)

REFERENCE

AUTHORS

Klausner, R.D., Collins, F.S., Wagner, L., Shemen, C.M., Schuler, G.D., Altshul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, P., Diachenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L., Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S., Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J., Abramson, R.D., Mullany, S.J., Bosak, S.A., McEwan, P.J., McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S., Worley, K.C., Hale, S.S., Garcia, A.M., Gay, L.J., Hulyk, S.W., Villalón, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahy, J., Helton, E., Kettman, M., Madan, A., Rodrigues, S., Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shvchenko, Y., Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D., Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M., Butterfield, Y.S., Krzywinski, M.I., Skalska, O., Smailus, D.E.,

Schneerch, A., Schein, J.E., Jones, S.J. and Marra, M.A.
Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
12477932
2 (bases 1 to 1797)
Strausberg, R.
Direct Submission
Submitted (01-NOV-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA
NIH-MGC Project URL: <http://mgc.nci.nih.gov>
Contact: MGC help desk
Email: cgabbs@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
DNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Baylor College of Medicine Human Genome Sequencing Center
Center code: BCM-HGSC
Web site: <http://www.hgsc.bcm.tmc.edu/cdna/>
Contact: amg@bcm.tmc.edu
Gunaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Louie, H., Kowis, C.R., Sneed, A.J., Martin, R.G., Muzny, D.M., Nanavati, A.N., Gibbs, R.A.

Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: <http://image.llnl.gov>
Series: IRAK Plate: 51 Row: 0 Column: 12
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 7706062.

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ORIGIN

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Best Local Similarity 99.9%; Pred. No. 0;
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Db	601	CGGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTTGACAGAGGCTTTTGGCCCTGA	660
Qy	680	CAGTGGCAAGGCTGGCTGTGGATGGAATGAACCCCTTCACATTTCTGAACTGTTCCATAT	739
Db	661	CAGTGGCAAGGCTGGCTGTGGATGGAATGAACCCCTTCACATTTCTGAACTGTTCCATAT	720
Qy	740	TATAATAGATGTCA CCAAGCCCAAGAACAGAGACTGTGTGGCCATCCCTTAATGGGATGAT	799
Db	721	TATAATAGATGTCA CCAAGCCCAAGAACAGAGACTGTGTGGCCATCCCTTAATGGGATGAT	780
Qy	800	CTTCTCAAGGACTGCA AAGAA TTGAAGCGTTGTGTCTGTGAGAGAAAGGCGCAGGAATGGT	859
Db	781	CTTCTCAAGGAGCTGCA AAGAA TTGAAGCGTTGTGTCTGTGAGAGAAAGGCGCAGGAATGGT	840
Qy	860	GAAGCCAGAGAGCTCCATGTCCTCCCTGAAACAATTAGGCGAAGGTTGACTGATTCGCCCT	919
Db	841	GAAGCCAGAGAGCTCCATGTCCTCCCTGAAACAATTAGGCGAAGGTTGACTGATTCGCCCT	900
Qy	920	CTGCAACTACAAATAGCAGATGAGCGCAGCGGTGCCAAAGCAAGGCGCTAGTTTGAGACAT	979
Db	901	CTGCAACTACAAATAGCAGATGAGCGCAGCGGTGCCAAAGCAAGGCGCTAGTTTGAGACAT	960
Qy	980	TGGGAATGGAACATAATCAAGAAAGACTATCTCTCTGACTAGTACAAATGGGTTCTCG	1039
Db	961	TGGGAATGGAACATAATCAAGAAAGACTATCTCTCTGACTAGTACAAATGGGTTCTCG	1020
Qy	1040	TGTTTCTCTGTTTCAGGATCACACGATTTCTGAGCTTGGGTTTATGACGCTATTTAACGT	1099
Db	1021	TGTTTCTCTGTTTCAGGATCACACGATTTCTGAGCTTGGGTTTATGACGCTATTTAACGT	1080
Qy	1100	CACAAGAAGTCTTATTTATATGCCCACCAACCAACTCAGAAAACCCATAATGTCTCATCTGCC	1159
Db	1081	CACAAGAAGTCTTATTTATATGCCCACCAACCAACTCAGAAAACCCATAATGTCTCATCTGCC	1140
Qy	1160	TTCTTGCTCTAGAGATAAATTTTAGTCTCTTTTCTCTCAATGTCTAAATATCACTCCCT	1219
Db	1141	TTCTTGCTCTAGAGATAAATTTTAGTCTCTTTTCTCTCAATGTCTAAATATCACTCCCT	1200

Search completed: October 7, 2005, 23:04:47
Job time : 7532 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 7, 2005, 19:54:21 ; Search time 329 Seconds
(without alignments)
8832.910 Million cell updates/sec

Title: US-10-689-742-159
Perfect score: 1776
Sequence: 1 agctcacagtgcggcg...ctgtgaaaaaaaaaaaaa 1776

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA:
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2: /cgm2_6/ptodata/1/ina/5B_COMB.seq:
3: /cgm2_6/ptodata/1/ina/6A_COMB.seq:
4: /cgm2_6/ptodata/1/ina/6B_COMB.seq:
5: /cgm2_6/ptodata/1/ina/PTUS_COMB.seq:
6: /cgm2_6/ptodata/1/ina/backfiles1.seq:

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1640.8	92.4	1740	2	US-09-055-095-2
2	320	18.0	320	3	Sequence 194, Appli
3	320	18.0	320	4	Sequence 194, Appl
4	320	18.0	320	4	Sequence 194, Appl
5	320	18.0	320	4	Sequence 194, Appl
6	320	18.0	320	4	Sequence 194, Appl
7	320	18.0	320	4	Sequence 194, Appl
8	320	18.0	320	4	Sequence 194, Appl
9	117	6.6	162	4	Sequence 8301, Ap
10	82.6	4.7	970	1	Sequence 2, Appli
11	82.6	4.7	970	3	Sequence 2, Appli
12	82.6	4.7	970	4	Sequence 800, App
13	82.6	4.7	1737	4	Sequence 34, Appl
14	67.8	3.8	505	4	Sequence 1045, Ap
15	64.2	3.6	990	2	Sequence 2, Appli
16	64.2	3.6	990	2	Sequence 2, Appli
17	64.2	3.6	990	4	Sequence 804, App
18	59.4	3.3	821	3	Sequence 52, Appl
19	58.4	3.3	1897	2	Sequence 1, Appli
20	58.4	3.3	1897	3	Sequence 1, Appli
21	58.4	3.3	1906	2	Sequence 3, Appli
22	58.4	3.3	1906	3	Sequence 3, Appli
23	56.2	3.2	402	3	Sequence 10, Appl
24	56.2	3.2	648	3	Sequence 14, Appl
25	56.2	3.2	1755	3	Sequence 8, Appli
26	54.8	3.1	378	3	Sequence 9, Appli
27	54.8	3.1	528	3	Sequence 7, Appli

Sequence 1, Appli
Sequence 15, Appli
Sequence 5, Appli
Sequence 14, Appli
Sequence 12071, A
Sequence 12673, A
Sequence 16172, A
Sequence 16173, A
Sequence 16174, A
Sequence 16175, A
Sequence 3, Appli
Sequence 11, Appli
Sequence 5720, Ap
Sequence 5721, Ap
Sequence 1, Appli
Sequence 1, Appli

ALIGNMENTS

RESULT 1
US-09-055-095-2
; Sequence 2, Application US/09055095
; Patent No. 5945308
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Patterson, Chandra
; APPLICANT: Corley, Neil C.
; APPLICANT: Sather, Susan
; TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Dr.
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/055,095
; FILING DATE: Filed Herewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0500 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650-855-0555
; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1740 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: LUNGN0T09
; CLONE: 1355922
US-09-055-095-2

Query Match 92.4%; Score 1640.8; DB 2; Length 1740;
Best Local Similarity 97.5%; Pred. No. 0;

Matches 1694; Conservative 0; Mismatches 2; Indels 42; Gaps 1;

QY 76 CCAAGTCAGACGACGAGGACATGCTGGATGATGGGACACCAACCATGAGCCTGC 135
Db |||||
QY 3 CCAAGTACAGACGACGAGGACATGCTGGATGATGGGACACCAACCATGAGCCTGC 62
Db |||||
QY 136 ATTCTCAAGCCTCTGCCCAAACTCGGCATCCAGAGCCCCGGCGCACAGAGGCTC 195
Db |||||
QY 63 ATTCTCAAGCCTCGGCCACAGCTGGCATCCAGAGCCCCGGCGCACAGAGGCTC 122
Db |||||
QY 196 CCTCTTCAAGCTGGGACAGTGGGCCCTGACCTCTGCTGACTTTGGCTGGCTGCTGA 255
Db |||||
QY 123 CCTCTTCAAGCTGGGACAGTGGGCCCTGACCTCTGCTGACTTTGGCTGGCTGCTGA 182
Db |||||
QY 256 TAGGCTGGCAGCCTCGGGCTTTTGT----- 282
Db |||||
QY 193 TAGGCTGGCAGCCTCGGGCTTTTGTGTAGTCTGGCTCCTNNCTGGGGGAGATCCT 242
Db |||||
QY 283 -----TTTTTCAGTACTACAGCTCTCCAACTCTGGTCAAGACACCAATTTCTCAA 333
Db |||||
QY 243 GGTTCCAAGTTTTTTCAGTACTACAGCTCTCCAACTCTGGTCAAGACACCAATTTCTCAA 302
Db |||||
QY 334 TGGAGAAAGATTAGGAATAGCTCCCAAGAGTTGCAATCTCTTCAAGTCCAGATATAA 393
Db |||||
QY 303 TGGAGAAAGATTAGGAATAGCTCCCAAGAGTTGCAATCTCTTCAAGTCCAGATATAA 362
Db |||||
QY 394 AGCTTGCAGGAAGTCTGCAGATGCTGGAAGAACTCTGCTGAGCTGTATTAACAAG 453
Db |||||
QY 363 AGCTTGCAGGAAGTCTGCAGATGCTGGAAGAACTCTGCTGAGCTGTATTAACAAG 422
Db |||||
QY 454 CTGAGACACACAGGTGCAGCCTTTGTACAGAACTTGAAGAAATGGCATGGAGCAATTCCT 513
Db |||||
QY 423 CTGAGACACACAGGTGCAGCCTTTGTACAGAACTTGAAGAAATGGCATGGAGCAATTCCT 482
Db |||||
QY 514 ACCAGTCTTAAAGACAGCAAAAGTTGGAGGACTGTAAATATTTCTGCTTGTAGTAAA 573
Db |||||
QY 483 ACCAGTCTTAAAGACAGCAAAAGTTGGAGGACTGTAAATATTTCTGCTTGTAGTAAA 542
Db |||||
QY 574 ACTCTACCATGCTGAAGATAAACAAGAGAGCTGGAATTTGCCGCTCTCAGAGCT 633
Db |||||
QY 543 ACTCTACCATGCTGAAGATAAACAAGAGAGCTGGAATTTGCCGCTCTCAGAGCT 602
Db |||||
QY 634 ACTCTGAGTTTTTCTACTCTTATGGACAGGCTTTTGGCCCTGACAGTGGCAGAGGCT 693
Db |||||
QY 603 ACTCTGAGTTTTTCTACTCTTATGGACAGGCTTTTGGCCCTGACAGTGGCAGAGGCT 662
Db |||||
QY 694 GGCTGTGATGATGGAACCCCTTTCTACTCTGAACTGTTCCATATTAATAGATGTCA 753
Db |||||
QY 663 GGCTGTGATGATGGAACCCCTTTCTACTCTGAACTGTTCCATATTAATAGATGTCA 722
Db |||||
QY 754 CCAGCCCAAGACAGAGACTGTGGCCATCTTAAATGGGATGATCTTCTCAAGGACT 813
Db |||||
QY 723 CCAGCCCAAGACAGAGACTGTGGCCATCTTAAATGGGATGATCTTCTCAAGGACT 782
Db |||||
QY 814 GCAAGAATTGAAGCTTTGTCTGTGAGAGAGGCGAGGAATGGTGAAGCCAGAGAGCC 873
Db |||||
QY 783 GCAAGAATTGAAGCTTTGTCTGTGAGAGAGGCGAGGAATGGTGAAGCCAGAGAGCC 842
Db |||||
QY 874 TCCATGTCCCTCCCTGAACATTTAGCGGAAGGTGACTGATTCGCCCTCTGCAACTCAAT 933
Db |||||
QY 843 TCCATGTCCCTCCCTGAACATTTAGCGGAAGGTGACTGATTCGCCCTCTGCAACTCAAT 902
Db |||||
QY 934 AGCAGATGAGCCGCGGTGCAAGCAAGGCTAGTTGAGACATTTGGAAATGGAACA 993
Db |||||
QY 903 AGCAGATGAGCCGCGGTGCAAGCAAGGCTAGTTGAGACATTTGGAAATGGAACA 962
Db |||||
QY 994 TAATCAGGAAGACTATCTCTGACTAGTACAAAATGGGTTCTCGTGTTCCTGTTCCAG 1053
Db |||||
QY 963 TAATCAGGAAGACTATCTCTGACTAGTACAAAATGGGTTCTCGTGTTCCTGTTCCAG 1022
Db |||||
QY 1054 GATCACCGAGCATTTCTGAGCTGGGTTTATGACGATTTTAAAGTCAAGAGTCTTTA 1113
Db |||||
QY 1023 GATCACCGAGCATTTCTGAGCTGGGTTTATGACGATTTTAAAGTCAAGAGTCTTTA 1082
Db |||||

RESULT 2

US-09-643-597-194
; Sequence 194, Application US/09643597
; Patent No. 6426072

GENERAL INFORMATION:

; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; FILE REFERENCE: 210121.455C11
; CURRENT APPLICATION NUMBER: US/09/643,597
; CURRENT FILING DATE: 2000-08-21
; NUMBER OF SEQ ID NOS: 369
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 194
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Homo sapiens

US-09-643-597-194

Query Match 18.0%; Score 320; DB 3; Length 320;
Best Local Similarity 100.0%; Pred. No. 3.9e-90;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 CCCTTCCCAATCCATCAGTAAAGACCCCATCTGCCCTTGTCATGCGTTTCCCAACAGGG 1458
DB 1 CCCTTCCCAATCCATCAGTAAAGACCCCATCTGCCCTTGTCATGCGTTTCCCAACAGGG 60

QY 1459 ATGTCACTTGATGAGAACTCTCAAACTCTCAATGCTTATAAGCAATCTCTCTGTGTCC 1518
DB 61 ATGTCACTTGATGAGAACTCTCAAACTCTCAATGCTTATAAGCAATCTCTCTGTGTCC 120

QY 1519 ATTAAGACTCTGATAATGTCTCCCTCCATAGGAATTTCTCCAGGAAGAAATATATC 1578
DB 121 ATTAAGACTCTGATAATGTCTCCCTCCATAGGAATTTCTCCAGGAAGAAATATATC 180

QY 1579 CCCTCTCCGTTTCATATCAGAACTACCGTCCCGATATTCCTTCCAGAGAGATTAAAGA 1638
DB 181 CCCTCTCCGTTTCATATCAGAACTACCGTCCCGATATTCCTTCCAGAGAGATTAAAGA 240

QY 1639 CCAGAAAAAGTGAGCCTCTTCATCTGCACCTGTAATAGTTTCAGTTCTTCTTCC 1698
DB 241 CCAGAAAAAGTGAGCCTCTTCATCTGCACCTGTAATAGTTTCAGTTCTTCTTCC 300

QY 1699 ATTGACCCATATTATACCT 1718
DB 301 ATTGACCCATATTATACCT 320

RESULT 3

US-09-480-884A-194
; Sequence 194, Application US/09480884A
; Patent No. 6482597
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C6
; CURRENT APPLICATION NUMBER: US/09/480,884A
; CURRENT FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 330
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 194
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-480-884A-194

Query Match 18.0%; Score 320; DB 4; Length 320;
Best Local Similarity 100.0%; Pred. No. 3.9e-90;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 CCCTTCCCAATCCATCAGTAAAGACCCCATCTGCCCTTGTCATGCGTTTCCCAACAGGG 1458
DB 1 CCCTTCCCAATCCATCAGTAAAGACCCCATCTGCCCTTGTCATGCGTTTCCCAACAGGG 60

QY 1459 ATGTCACTTGATGAGAACTCTCAAACTCTCAATGCTTATAAGCAATCTCTCTGTGTCC 1518
DB 61 ATGTCACTTGATGAGAACTCTCAAACTCTCAATGCTTATAAGCAATCTCTCTGTGTCC 120

QY 1519 ATTAAGACTCTGATAATGTCTCCCTCCATAGGAATTTCTCCAGGAAGAAATATATC 1578
DB 121 ATTAAGACTCTGATAATGTCTCCCTCCATAGGAATTTCTCCAGGAAGAAATATATC 180

QY 1579 CCCTCTCCGTTTCATATCAGAACTACCGTCCCGATATTCCTTCCAGAGAGATTAAAGA 1638
DB 181 CCCTCTCCGTTTCATATCAGAACTACCGTCCCGATATTCCTTCCAGAGAGATTAAAGA 240

QY 1639 CCAGAAAAAGTGAGCCTCTTCATCTGCACCTGTAATAGTTTCAGTTCTTCTTCTTCC 1698
DB 241 CCAGAAAAAGTGAGCCTCTTCATCTGCACCTGTAATAGTTTCAGTTCTTCTTCTTCC 300

QY 1699 ATTGACCCATATTATACCT 1718
DB 301 ATTGACCCATATTATACCT 320

RESULT 4

US-09-542-615A-194
; Sequence 194, Application US/09542615A
; Patent No. 6518256
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy A.
; APPLICANT: Fanger, Gary R.
; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
; FILE REFERENCE: 210121.455C8
; CURRENT APPLICATION NUMBER: US/09/542,615A
; CURRENT FILING DATE: 2000-04-14
; NUMBER OF SEQ ID NOS: 350
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 194
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-542-615A-194

Query Match 18.0%; Score 320; DB 4; Length 320;
Best Local Similarity 100.0%; Pred. No. 3.9e-90;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 CCCTTCCCAATCCATCAGTAAAGACCCCATCTGCCCTTGTCATGCGTTTCCCAACAGGG 1458
DB 1 CCCTTCCCAATCCATCAGTAAAGACCCCATCTGCCCTTGTCATGCGTTTCCCAACAGGG 60

QY 1459 ATGTCACTTGATGAGAACTCTCAAACTCTCAATGCTTATAAGCAATCTCTCTGTGTCC 1518
DB 61 ATGTCACTTGATGAGAACTCTCAAACTCTCAATGCTTATAAGCAATCTCTCTGTGTCC 120

QY 1519 ATTAAGACTCTGATAATGTCTCCCTCCATAGGAATTTCTCCAGGAAGAAATATATC 1578
DB 121 ATTAAGACTCTGATAATGTCTCCCTCCATAGGAATTTCTCCAGGAAGAAATATATC 180

QY 1579 CCCTCTCCGTTTCATATCAGAACTACCGTCCCGATATTCCTTCCAGAGAGATTAAAGA 1638
DB 181 CCCTCTCCGTTTCATATCAGAACTACCGTCCCGATATTCCTTCCAGAGAGATTAAAGA 240

QY 1639 CCAGAAAAAGTGAGCCTCTTCATCTGCACCTGTAATAGTTTCAGTTCTTCTTCTTCC 1698
DB 241 CCAGAAAAAGTGAGCCTCTTCATCTGCACCTGTAATAGTTTCAGTTCTTCTTCTTCC 300

QY 1699 ATTGACCCATATTATACCT 1718
DB 301 ATTGACCCATATTATACCT 320

RESULT 5

US-09-606-421B-194
; Sequence 194, Application US/09606421B
; Patent No. 6531315
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Fan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy

APPLICANT: Fanger, Gary R.
APPLICANT: Li, Samuel X.
APPLICANT: Wang, Aijun
APPLICANT: Skeiky, Yasir A.W.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C9
CURRENT APPLICATION NUMBER: US/09/606,421B
CURRENT FILING DATE: 2000-06-28
NUMBER OF SEQ ID NOS: 358
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 194
LENGTH: 320
TYPE: DNA
ORGANISM: Homo sapiens
US-09-606-421B-194

Query Match 18.0%; Score 320; DB 4; Length 320;
Best Local Similarity 100.0%; Pred. No. 3.9e-90;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 CCCTTCCCAATCCATCAGTAAGACCCCATCTGCCCTTGTCCATGCGGTTTCCCAACAGGG 1458
DB 1 CCCTTCCCAATCCATCAGTAAGACCCCATCTGCCCTTGTCCATGCGGTTTCCCAACAGGG 60

QY 1459 ATGTCACCTTGATATGAGAAATCTCAAAATCTCAATGCTTATAGCAATTCCTCTGTGTC 1518
DB 61 ATGTCACCTTGATATGAGAAATCTCAAAATCTCAATGCTTATAGCAATTCCTCTGTGTC 120

QY 1519 ATTAAGACTCTGATAAATGTCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATATC 1578
DB 121 ATTAAGACTCTGATAAATGTCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATATC 180

QY 1579 CCCATCTCGGTTTCATATCAGAACTACCGTCCCGATATCCCTTCAGAGATTAAGA 1638
DB 181 CCCATCTCGGTTTCATATCAGAACTACCGTCCCGATATCCCTTCAGAGATTAAGA 240

QY 1639 CCAGAAAAAGTGAGCCCTTTCATCTGCACCTGTAAATAGTTTCAGTTCTTATTTCTTCC 1698
DB 241 CCAGAAAAAGTGAGCCCTTTCATCTGCACCTGTAAATAGTTTCAGTTCTTATTTCTTCC 300

QY 1699 ATTGACCCATATTATACCT 1718
DB 301 ATTGACCCATATTATACCT 320

RESULT 6
US-09-466-396A-194
Sequence 194, Application US/09466396A
Patent No. 6696247
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY AND
TITLE OF INVENTION: DIAGNOSIS OF LUNG CANCER
FILE REFERENCE: 210121.455C4
CURRENT APPLICATION NUMBER: US/09/466,396A
CURRENT FILING DATE: 1999-12-17
NUMBER OF SEQ ID NOS: 224
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 194
LENGTH: 320
TYPE: DNA
ORGANISM: Homo sapiens
US-09-466-396A-194

Query Match 18.0%; Score 320; DB 4; Length 320;
Best Local Similarity 100.0%; Pred. No. 3.9e-90;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 CCCTTCCCAATCCATCAGTAAGACCCCATCTGCCCTTGTCCATGCGGTTTCCCAACAGGG 1458
DB 1 CCCTTCCCAATCCATCAGTAAGACCCCATCTGCCCTTGTCCATGCGGTTTCCCAACAGGG 60

QY 1459 ATGTCACCTTGATATGAGAAATCTCAAAATCTCAATGCTTATAGCAATTCCTCTGTGTC 1518
DB 61 ATGTCACCTTGATATGAGAAATCTCAAAATCTCAATGCTTATAGCAATTCCTCTGTGTC 120

QY 1519 ATTAAGACTCTGATAAATGTCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATATC 1578
DB 121 ATTAAGACTCTGATAAATGTCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATATC 180

QY 1579 CCCATCTCGGTTTCATATCAGAACTACCGTCCCGATATCCCTTCAGAGATTAAGA 1638
DB 181 CCCATCTCGGTTTCATATCAGAACTACCGTCCCGATATCCCTTCAGAGATTAAGA 240

QY 1639 CCAGAAAAAGTGAGCCCTTTCATCTGCACCTGTAAATAGTTTCAGTTCTTATTTCTTCC 1698
DB 241 CCAGAAAAAGTGAGCCCTTTCATCTGCACCTGTAAATAGTTTCAGTTCTTATTTCTTCC 300

QY 1699 ATTGACCCATATTATACCT 1718
DB 301 ATTGACCCATATTATACCT 320

RESULT 7
US-09-476-496A-194
Sequence 194, Application US/09476496A
Patent No. 6706262
GENERAL INFORMATION:
APPLICANT: Wang, Tongtong
APPLICANT: Hosken, Nancy A.
APPLICANT: Kalos, Michael D.
APPLICANT: Fanger, Gary R.
TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY OF
TITLE OF INVENTION: LUNG CANCER
FILE REFERENCE: 210121.455C5
CURRENT APPLICATION NUMBER: US/09/476,496A
CURRENT FILING DATE: 1999-12-30
NUMBER OF SEQ ID NOS: 254
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 194
LENGTH: 320
TYPE: DNA
ORGANISM: Homo sapiens
US-09-476-496A-194

Query Match 18.0%; Score 320; DB 4; Length 320;
Best Local Similarity 100.0%; Pred. No. 3.9e-90;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 CCCTTCCCAATCCATCAGTAAGACCCCATCTGCCCTTGTCCATGCGGTTTCCCAACAGGG 1458
DB 1 CCCTTCCCAATCCATCAGTAAGACCCCATCTGCCCTTGTCCATGCGGTTTCCCAACAGGG 60

QY 1459 ATGTCACCTTGATATGAGAAATCTCAAAATCTCAATGCTTATAGCAATTCCTCTGTGTC 1518
DB 61 ATGTCACCTTGATATGAGAAATCTCAAAATCTCAATGCTTATAGCAATTCCTCTGTGTC 120

QY 1519 ATTAAGACTCTGATAAATGTCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATATC 1578
DB 121 ATTAAGACTCTGATAAATGTCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATATC 180

QY 1579 CCCATCTCGGTTTCATATCAGAACTACCGTCCCGATATCCCTTCAGAGATTAAGA 1638
DB 181 CCCATCTCGGTTTCATATCAGAACTACCGTCCCGATATCCCTTCAGAGATTAAGA 240

QY 1639 CCAGAAAAAGTGAGCCCTTTCATCTGCACCTGTAAATAGTTTCAGTTCTTATTTCTTCC 1698
DB 241 CCAGAAAAAGTGAGCCCTTTCATCTGCACCTGTAAATAGTTTCAGTTCTTATTTCTTCC 300

QY 1699 ATTGACCCATATTATACCT 1718
DB 301 ATTGACCCATATTATACCT 320

RESULT 8

```

US-09-630-940B-194
; Sequence 194, Application US/09630940B
; Patent No. 6737514
; GENERAL INFORMATION:
; APPLICANT: Wang, Tongtong
; APPLICANT: Pan, Liqun
; APPLICANT: Kalos, Michael D.
; APPLICANT: Bangur, Chaitanya S.
; APPLICANT: Hosken, Nancy
; APPLICANT: Fanger, Gary R.
; APPLICANT: Li, Samuel X.
; APPLICANT: Wang, Aijun
; APPLICANT: Skeiky, Yasir A.W.
; APPLICANT: Henderson, Robert A.
; APPLICANT: McNeill, Patricia D.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE THERAPY
; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
; FILE REFERENCE: 210121.455C10
; CURRENT APPLICATION NUMBER: US/09/630,940B
; CURRENT FILING DATE: 2000-08-02
; NUMBER OF SEQ ID NOS: 367
; SOFTWARE: Fast-Seq for Windows Version 3.0
; SEQ ID NO 194
; LENGTH: 320
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-630-940B-194

Query Match      18.0%: Score 320; DB 4; Length 320;
Best Local Similarity 100.0%; Pred. No. 3.9e-90;
Matches 320; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1399 CCCTTCCCAATCCATCAGTAGAAGACCCCATCTGCCTTGTGCATGCCCGTTTCCCAACAGGG 1458
DB 1 CCCTTCCCAATCCATCAGTAGAAGACCCCATCTGCCTTGTGCATGCCCGTTTCCCAACAGGG 60

QY 1459 ATGTCACCTTGATAGAGAAATCTCAATCTCAATGCCCTTATAAGCAATTCCTTCTGTGTCC 1518
DB 61 ATGTCACCTTGATAGAGAAATCTCAATCTCAATGCCCTTATAAGCAATTCCTTCTGTGTCC 120

QY 1519 ATTAAGACTCTGATAATGTCTCCCTCCATAGGAATTCCTCCAGAGAAAGAAATATATC 1578
DB 121 ATTAAGACTCTGATAATGTCTCCCTCCATAGGAATTCCTCCAGAGAAAGAAATATATC 180

QY 1579 CCATCTCCGTTTCATATCAGAACTACCGTCCCGATATTCCTTCAGAGAGATTAAAGA 1638
DB 181 CCATCTCCGTTTCATATCAGAACTACCGTCCCGATATTCCTTCAGAGAGATTAAAGA 240

QY 1639 CCAGAAAAAGTGAGCGCTTTCATCTGCACCTGTAATAGTTTCAGTTTCTATTTCTTCC 1698
DB 241 CCAGAAAAAGTGAGCGCTTTCATCTGCACCTGTAATAGTTTCAGTTTCTATTTCTTCC 300

QY 1699 ATTGACCCCATTTATACCT 1718
DB 301 ATTGACCCCATTTATACCT 320

RESULT 9
US-09-513-999C-8301
; Sequence 8301, Application US/09513999C
; Patent No. 6783961
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Duclert, A.
; APPLICANT: Giordano, J.Y.
; TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.
; FILE REFERENCE: 59.US2.REG
; CURRENT APPLICATION NUMBER: US/09/513,999C
; CURRENT FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/122,487
; PRIOR FILING DATE: 1999-02-26
; NUMBER OF SEQ ID NOS: 36681

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Db 503 ATATAGCAAGAACAGAGCACAATGTAAAGCCTTTGTCCAAGGAGATGGATTTGGCATAA 562
QY 503 AGACAATTGCTACCAAGTTCTATAAAGACAGCAAAAGTTGGGAGGACTGTAAATATTTCTG 562
Db 563 GGACAGCTGTTATTTCTTAAGTGATGTCCAAACATGGCAGGAGAGTAAATGGCCTG 622
QY 563 CTTAGTGAATACTTACCATCTGAAGATAAACAACAAGAACCTGGGAATTTGCCGC 622
Db 623 TGCTGCTCAGATGCCAGCCTGTGAAGATAAACAACAATAATGATTGGAATTTATAA 682
QY 623 GTCTCAGAG 631
Db 683 ATCCAGAG 691

RESULT 11
US-09-113-789-2
; Sequence 2, Application US/09113789
; Patent No. 6034219
; GENERAL INFORMATION:
; APPLICANT: Hillman, Jennifer L.
; APPLICANT: Au-Young, Janice
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: NOVEL HUMAN MACROPHAGE ANTIGEN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/113,789
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/690,095
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0110 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; IMMEDIATE SOURCE:
; LIBRARY: MPHGNOT03
; CLONE: 513418
US-09-113-789-2

Query Match 4.7%; Score 82.6; DB 3; Length 970;
Best Local Similarity 58.2%; Pred. No. 5.3e-15;
Matches 145; Conservative 0; Mismatches 104; Indels 0; Gaps 0;
QY 383 CCAGAAATAAAGCTTGCAAGAGTCTGCAGCATGTGGCTGAAAACTCTGTGCTGAGCT 442
Db 443 CAAGATCAGGAACCTCTCCACCACACTGCAACAATAGCCACCAATATATGTCGTGAGCT 502
QY 443 GTATAACAAAGCTGGAGCACAGGTGAGCCCTTGTACAGAACATGGAATGGCATGG 502

Db 503 ATATAGCAAGAACAGAGCACAATGTAAAGCCTTTGTCCAAGGAGATGGATTTGGCATAA 562
QY 503 AGACAATTGCTACCAAGTTCTATAAAGACAGCAAAAGTTGGGAGGACTGTAAATATTTCTG 562
Db 563 GGACAGCTGTTATTTCTTAAGTGATGTCCAAACATGGCAGGAGAGTAAATGGCCTG 622
QY 563 CTTAGTGAATACTTACCATCTGAAGATAAACAACAAGAACCTGGGAATTTGCCGC 622
Db 623 TGCTGCTCAGATGCCAGCCTGTGAAGATAAACAACAATAATGATTGGAATTTATAA 682
QY 623 GTCTCAGAG 631
Db 683 ATCCAGAG 691

RESULT 12
US-09-016-434-800
; Sequence 800, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 800:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: MPHGNOT03
; CLONE: 513418
US-09-016-434-800

Query Match 4.7%; Score 82.6; DB 4; Length 970;
Best Local Similarity 58.2%; Pred. No. 5.3e-15;
Matches 145; Conservative 0; Mismatches 104; Indels 0; Gaps 0;
QY 383 CCAGAAATAAAGCTTGCAAGAGTCTGCAGCATGTGGCTGAAAACTCTGTGCTGAGCT 442
Db 443 CAAGATCAGGAACCTCTCCACCACACTGCAACAATAGCCACCAATATATGTCGTGAGCT 502
QY 443 GTATAACAAAGCTGGAGCACAGGTGAGCCCTTGTACAGAACATGGAATGGCATGG 502

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Db	563	GGACAGCTGTTATTTCTTAAGTGATGTCCAAACATGGCAGGAGAGTAAATGGCCTG		622
Qy	563	CGTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAACAAGAGACCTGGAAATTTGCCGC		622
Db	623	TGCTGCTCAGAAATGCCGCCTTGAAGATAAACAAACAAATATGCATTGGAAATTTATAA		682
Qy	623	GTCTCAGAG	631	
Db	683	ATCCACAG	691	

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RESULT 13
US-09-482-273-34
; Sequence 34, Application US/09482273
; Patent No. 6534631
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 71 Human Secreted Proteins
; FILE REFERENCE: P2030PI
; CURRENT APPLICATION NUMBER: US/09/482,273
; CURRENT FILING DATE: 2000-01-13
; EARLIER APPLICATION NUMBER: PCT/US99/15849
; EARLIER FILING DATE: 1999-07-14
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,922
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,956
; EARLIER FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 1737
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1674)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1731)
; OTHER INFORMATION: n equals a,t,g, or c
US-09-482-273-34

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Query Match	4.7%	Score 82.6;	DB 4;	Length 1737;
Best Local Similarity	58.2%;	Pred. No. 8e-15;		
Matches 145;	Conservative 0;	Mismatches 104;	Indels 0;	Gaps 0;
Qy	383	CCAGMATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAAACTCTGTCGTGAGCT	442	
Db	495	CAAGATCAGGAACCTCTCCACACACTGCACCAACAATAGCCACCAAAATTTATGTCGTGAGCT	554	
Qy	443	GTATAACAAAGCTGGAGCACACAGTGCAGGCCCTTGTACAGAAACAATGGAAATGCACATGG	502	
Db	555	ATATAGCAAAGAACACAGAGCACAATGTATAGCCTTTGTCACAGGAGATGGATTTGGCTATAA	614	
Qy	503	AGACAAATTGCTACCAAGTTCTATAAGACAGACAAAGTTGGGAGGACCTGTAATAATTTCTG	562	
Db	615	GGACAGCTGTTATTTCTTAAGTGATGTCCAAACATGGCAGAGAGTAAATGGCCTG	674	
Qy	563	CCTTAGTGA AAACTCTACCATGCTGGAAGATATAACAAACAAGACCTTGGAAATTTGGCGC	622	
Db	675	TGCTGTCTCAGATGCCAGCCTGTTGAAGATATAACAACAAAAAATGCATTGGAAATTTATAAA	734	
Qy	623	GTCTCAGAG	631	
Db	735	ATCCAGAG	743	

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FILE R	FILE R
CURRENT	CURRENT
PRIOR	PRIOR
PRIOR	PRIOR
NUMBER	NUMBER
SOFTWARE	SOFTWARE
SEQ ID	SEQ ID
LENGTH	LENGTH
TYPE:	TYPE:
ORGAN	ORGAN
FEATUR	FEATUR
NAME//	NAME//
OTHER	OTHER
NAME//	NAME//
LOCAT	LOCAT
OTHER	OTHER
US-09-976	

Query Match	3.8%	Score 67.8	DB 4	Length 505
Best Local Similarity	50.3%	Pred. No. 1.5e-10		
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Qy	315	CRAGACACCAATTTCTCAAATGGAAAGAAAGATTAGGAAATACGTCCTCCCAAGAGTTTGCAACTCT	374	
Db	67	CAGGATAACTTATCCAGCAACTGGGCACTCCAACTTGTCTCCATGGAGGAGGAATTT	126	
Qy	375	CTTCAAGTCAGAAATATAAGCTTTGCAGGAAGTCTCCAGCATGTGGCTGAAAACTCTGT	434	
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Qy	435	CGTGAGCTGTATAACAAAGCTGTGAGCACACAGGTGCAGCCCTTGATACAGAAACAATGAAA	494	
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Qy	495	TGCGATGGAGACAATTTGCTACCAAGTTCTATAAA---GACAGCAAAAGTTGGGAGGACTGT	551	
Db	247	TGGTACCAAAATAGTTGCTACTATTTTACAACAAAATGAGAGAGAAAACCTGGGCTAACAGT	306	
Qy	552	AAATATTTTCGCTTAGTGAAGAACTACCATGCTCAAGATAACAAACAAGAGACCTG	611	
Db	307	AGAAAGACTTGCATAGACAGAACTCCACCCTAGTGAAGATAGACAGATTTGGGAAGAAAG	366	
Qy	612	GAATTTGCCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTTGGACAGGGCTTTTG	671	
Db	367	GATTTTCTTATGTGTCAGAGCAATTAATCATGTTTTCGTTCTC---TTTTGGCGGGATTATCA	423	
Qy	672	CGCCCTGACAGTGGCAAGCCCTGGCTGTGATGGATGGAAACCCCTTTTCACTTCTGAACCTG	731	
Db	424	TGGGACTCCTCTCTGGCAGAAAGTTGGTTCTGGGAAGANGGNCCTGTTTCCCTCTCCACTCTG	483	
Qy	732	TTCCATATATTATAA	744	
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RESULT 15
US-08-688-342-2
; 'Sequence 2, Application US/08688342
; Patent No. 5871964
; ; GENERAL INFORMATION:
; ; APPLICANT: Au-Young, Janice
; ; APPLICANT: Cocks, Benjamin G.
; ; APPLICANT: Goli, Surya K.
;

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Search completed: October 8, 2005, 00:39:11
Job time : 332 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: October 7, 2005, 20:43:47 ; Search time 1182 Seconds

(without alignments)

10464.939 Million cell updates/sec

Title: US-10-689-742-159

Perfect score: 1776

Sequence: 1 agctcacagtagccggcg.....ctgtgaaaaaaaaaaaaa 1776

Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 8443130 seqs, 3482420727 residues

Total number of hits satisfying chosen parameters: 16886260

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
- 12: /cgn2_6/ptodata/2/pubpna/US09_NEW_PUB.seq.*
- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
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- 16: /cgn2_6/ptodata/2/pubpna/US10D_PUBCOMB.seq.*
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- 19: /cgn2_6/ptodata/2/pubpna/US10G_PUBCOMB.seq.*
- 20: /cgn2_6/ptodata/2/pubpna/US10H_PUBCOMB.seq.*
- 21: /cgn2_6/ptodata/2/pubpna/US10I_PUBCOMB.seq.*
- 22: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 23: /cgn2_6/ptodata/2/pubpna/US11A_PUBCOMB.seq.*
- 24: /cgn2_6/ptodata/2/pubpna/US11_NEW_PUB.seq.*
- 25: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 26: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1764.4	99.3	1841	9 US-09-989-279-318
5	1764.4	99.3	1841	9 US-09-989-727-318
6	1764.4	99.3	1841	9 US-09-989-731-318
7	1764.4	99.3	1841	9 US-09-989-732-318

8	1764.4	99.3	1841	9	US-09-991-073-318	Sequence 318, App
9	1764.4	99.3	1841	9	US-09-990-442-318	Sequence 318, App
10	1764.4	99.3	1841	9	US-09-991-163-318	Sequence 318, App
11	1764.4	99.3	1841	9	US-09-993-604-318	Sequence 318, App
12	1764.4	99.3	1841	9	US-09-990-456-318	Sequence 318, App
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31	1764.4	99.3	1841	10	US-09-990-562-318	Sequence 318, App
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33	1764.4	99.3	1841	10	US-09-989-726-318	Sequence 318, App
34	1764.4	99.3	1841	10	US-09-998-156-318	Sequence 318, App
35	1764.4	99.3	1841	10	US-09-990-437-318	Sequence 318, App
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40	1764.4	99.3	1841	10	US-09-990-726-318	Sequence 318, App
41	1764.4	99.3	1841	10	US-09-997-559-318	Sequence 318, App
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43	1764.4	99.3	1841	10	US-09-990-443-318	Sequence 318, App
44	1764.4	99.3	1841	10	US-09-991-854-318	Sequence 318, App
45	1764.4	99.3	1841	10	US-09-997-628-318	Sequence 318, App

ALIGNMENTS

RESULT 1

US-09-746-783-159
; Sequence 159, Application US/09746783
; Publication No. US20030044935A1
; GENERAL INFORMATION:

APPLICANT: Jacobs, Kenneth
McCoy, John M.
LaValle, Edward R.
Racie, Lisa A.
Treacy, Maurice
Spaulding, Vikki
Agostino, Michael J.
Howes, Steven H.
Fechtel, Kim

TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES

ENCODING THEM

NUMBER OF SEQUENCES: 231

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genetics Institute, Inc.

STREET: 87 CambridgePark Drive

CITY: Cambridge

STATE: MA

COUNTRY: U.S.A.

ZIP: 02140

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

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; APPLICATION NUMBER: US/09/746,783
; FILING DATE: 21-Dec-2000
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Milasincic, Debra J.
; REGISTRATION NUMBER: 46,931
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 742-4214
; INFORMATION FOR SEQ ID NO: 159:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1776 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: other nucleic acid
; DESCRIPTION: /desc = "oligonucleotide"
; SEQUENCE DESCRIPTION: SEQ ID NO: 159:
US-09-746-783-159

Query Match      100.0%; Score 1776; DB 10; Length 1776;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 1776; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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DB 1 AGCTCACAGTAGCCCGGGGCCAGGCAATCCGACCAATTTCACTCTCACCGCTGTAG 60

QY 61 GAATCCAGATGAGCCCAAGTACAGCAGCAAGAGGCAATGCTGATGATGATGGGACA 120
DB 61 GAATCCAGATGAGCCCAAGTACAGCAGCAAGAGGCAATGCTGATGATGATGGGACA 120

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DB 661 CAGGCTTTTGGCCCTGACAGTGGCAAGGCTGCTGGATGATGGAACCCCTTTCA 720

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DB 1261 TTGAAGTAGAGAAATAATCATTGAGGTAAACATCTTTCTCTGACAGTCAAGTAGTCCATC 1320
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DB 1381 GTTTCAGTTCATACCTAGTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1440
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DB 1441 TGCGGTTTCCCAAACAGGGATGTCATTTGATATGAGAAATCTCAATCTCAATGCTTATAA 1500
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DB 1621 CTTCAGAGAGATTTAAAGACCAAGAAAGAGTGGCGCTTTCATCTCTGCACTGTATAAGTTT 1680
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DB 1741 ATAATAAATGTAATACTGTGCAAAAAA 1776
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RESULT 2

US-09-989-722-318
; Sequence 318, Application US/09989722
; Patent No. US20020072067A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC63
; CURRENT APPLICATION NUMBER: US/09/989,722
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
; PRIOR APPLICATION NUMBER: 60/075945
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; PRIOR APPLICATION NUMBER: 60/090254
; PRIOR FILING DATE: 1998-06-22
; PRIOR APPLICATION NUMBER: 60/090349
; PRIOR FILING DATE: 1998-06-23
; PRIOR APPLICATION NUMBER: 60/090355

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256	Db		CAGAGCACAGGGCTCCCTCTTCAACGTGGCGACCAAGTGGCCCTGACCCCTGCTGACTTTGT	315
241	Qy		GCTTGTGCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACCAAGC	300
316	Db		GCTTGTGCTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACCAAGC	375
301	Qy		TCTCCAATATCTGGTCAAGACACCAATTTCTCAAAATGGAAAGAAATAGGAAATACGTCCC	360
376	Db		TCTCCAATATCTGGTCAAGACACCAATTTCTCAAAATGGAAAGAAATAGGAAATACGTCCC	435
361	Qy		AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG	420
436	Db		AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG	495
421	Qy		CTGAAAACTCTGTCGTGAGCTGTATAACAAAGCTGGAGGACACAGGTGCGAGCCCTTGTGA	480
496	Db		CTGAAAACTCTGTCGTGAGCTGTATAACAAAGCTGGAGGACACAGGTGCGAGCCCTTGTGA	555
481	Qy		CAGAACCAATGGAAATGGCATGGAGACCAATTTGCTACCAAGTCTTATAAAGACAGCAAAAAGTT	540
556	Db		CAGAACCAATGGAAATGGCATGGAGACCAATTTGCTACCAAGTCTTATAAAGACAGCAAAAAGTT	615
541	Qy		GGGAGGACTGTAAATATTTCTGCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAC	600
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601	Qy		AAGAGGACCTGGAAATTTTTCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTTGA	660
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661	Qy		CAGGGCTTTTTCGCGCCCTGACAGTGGCAGGCGCTGCTGTGGATGGAAGCAACCCCTTTCA	720
736	Db		CAGGGCTTTTTCGCGCCCTGACAGTGGCAGGCGCTGCTGTGGATGGAAGCAACCCCTTTCA	795
721	Qy		CTTCTGAACCTGTTCCATATTAATATAGATGTCAACAGCCCAAGAGCAGAGACTGTGTGG	780
796	Db		CTTCTGAACCTGTTCCATATTAATATAGATGTCAACAGCCCAAGAGCAGAGACTGTGTGG	855
781	Qy		CCATCCTTAATGGGATGATCTTCTCAAGGACTCCAAAGAAATTTGAAGCGTTGTGCTGTG	840
856	Db		CCATCCTCAATGGGATGATCTTCTCAAGGACTCGAAAGAAATTTGAAGCGTTGTGCTGTG	915
841	Qy		AGAGAGGGCAGGAAATGGTGAAGCCAGAGAGCCCTCCATGTCCCGCTGAAACATTAGGCG	900
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976	Db		AAGGTGACTGATTCGCCCTCTGCAACTTACAAATAGCAGAGTGAGCCAGCGGTGCCAAG	1035
961	Qy		CAAGGGCTAGTTGAGACATTTGGGAAATGGAACATAATCAGGAAGACATCTCTCTGACT	1020
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1021	Qy		AGTACAAAATGGGTTCTCGTGTTCCTGTTCTCAGGATCACAGCATTTCTGAGCTTGGGTT	1080
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1081	Qy		TATGCAAGTATTTAAACAGTCAAGAAAGTCTTATTTATGCCACCAACCACTTCAGAA	1140
1156	Db		TATGCAAGTATTTAAACAGTCAAGAAAGTCTTATTTATGCCACCAACCACTTCAGAA	1215
1141	Qy		ACCCATAATGTCATCTGCCCTCTTGGCTTAGAGATACCTTTTAGCTCTCTTCTCTCA	1200
1216	Db		ACCCATAATGTCATCTGCCCTCTTGGCTTAGAGATACTTTTAGCTCTCTTCTCTCA	1275
1201	Qy		TGTTCTAATATCACCTCCCTGTTTTTCATGCTCTTCTTACACTTGGTGGAAATAGAAACTTTT	1260
1276	Db		TGTTCTAATATCACCTCCCTGTTTTTCATGCTCTTCTTACACTTGGTGGAAATAGAAACTTTT	1335
1261	Qy		TTGAAGTAGAGGAAATACATTGAGGTAACATCCCTTTTCTCTGACAGTCAAGTAGTCCATC	1320

Db 1336 TTGAAGTAGAGGAATACATTGAGGTAAACATCCTTTTCTGACAGTCAAGTAGTCCATC 1395
QY 1321 AGAATTTGGAGTCACTTCCAGATGTACAGCAAAATACACAAGGAATCTTTTGTGTTT 1380
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Db 1576 GCATTCCTTCTGTGTCATTAAGACTCTGATAATTTGTCCTCCCTCCATPAGGAATTTCTC 1635
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Db 1756 CAGTTCTTATTTTCTTCCATGACCCATATTTATACCTTTCAGGTACTGAAGATTTAATA 1815
QY 1741 ATAATAAATGTAATCTGTGAAAAA 1766
Db 1816 ATAATAAATGTAATCTGTGAAAAA 1841

RESULT 3

US-09-989-723-318
; Sequence 318, Application US/09989723
; Patent No. US20020072092A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC62
; CURRENT APPLICATION NUMBER: US/09/989,723
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
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; PRIOR APPLICATION NUMBER: 60/089440
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089512

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Db 916 AGAAGAGGGCAGGAATGGTGAAGCCAGAGAGCTCCATGTCCCTCCCTGAAACATTAGGCG 975
Qy 901 AAGGTGACTGATTGCGCTCTGCAACTACAATATAGAGAGTGAAGCGGCTGCGCAAG 960
Db 976 AAGGTGACTGATTGCGCTCTGCAACTACAATATAGAGAGTGAAGCGGCTGCGCAAG 1035
Qy 961 CAAGGCTAGTTGAGACATTTGGGAATGGAACATAATCAGGAAGACTATCTCTGTGACT 1020
Db 1036 CAAGGCTAGTTGAGACATTTGGGAATGGAACATAATCAGGAAGACTATCTCTGTGACT 1095
Qy 1021 AGTACAAAATGGGTTCTCGTGTCTCTGTTTCCAGGATCACCAGCATTTCTGAGCTTGGGTT 1080
Db 1096 AGTACAAAATGGGTTCTCGTGTCTCTGTTTCCAGGATCACCAGCATTTCTGAGCTTGGGTT 1155
Qy 1081 TATGCAAGTATTAAACAGTCACAGAAGTCTTATTTACATGCGCAACCAACCTCAGAA 1140
Db 1156 TATGCAAGTATTAAACAGTCACAGAAGTCTTATTTACATGCGCAACCAACCTCAGAA 1215
Qy 1141 ACCATAATGTCTATGCGCTCTTGGCTTAGAGATTAATCTTTAGCTCTCTTCTCTCAA 1200
Db 1216 ACCATAATGTCTATGCGCTCTTGGCTTAGAGATTAATCTTTAGCTCTCTTCTCTCAA 1275
Qy 1201 TGTCTAATATACCTCCCTGTTTCTGATGTTTCTTACACTTGGTGAATAGAACTTT 1260
Db 1276 TGTCTAATATACCTCCCTGTTTCTGATGTTTCTTACACTTGGTGAATAGAACTTT 1335
Qy 1261 TTGAAGTAGAGGAATATACATTTGAGGTAACTCTTTCTGACAGTCAAGTAGTCCATC 1320
Db 1336 TTGAAGTAGAGGAATATACATTTGAGGTAACTCTTTCTGACAGTCAAGTAGTCCATC 1395
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Db 1396 AGAAATGGCAGTCACTTCCGATGTTGACAGAAATACACAGGAATCTTTTGTGTT 1455
Qy 1381 GTTTCAGTTTCATAGTCCCTTCCCAATCCATCAGTAAGACCCCATCTGCTTGTCCA 1440
Db 1456 GTTTCAGTTTCATAGTCCCTTCCCAATCCATCAGTAAGACCCCATCTGCTTGTCCA 1515
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Qy 1501 GCATTCCTTCTGTGTCATTAAGACTCTGATAATTTGCTCCCTCCCATAGGAATTTCTC 1560
Db 1576 GCATTCCTTCTGTGTCATTAAGACTCTGATAATTTGCTCCCTCCCATAGGAATTTCTC 1635
Qy 1561 CCAGGAAGAAATATATATCCCATCTCCGTTTCTATATCAGAACTACGCTCCCGATATCC 1620
Db 1636 CCAGGAAGAAATATATATCCCATCTCCGTTTCTATATCAGAACTACGCTCCCGATATCC 1695
Qy 1621 CTTTCAGAGAGATTAAGACCAAGAAAGTGAAGCTCTTCACTGCACTCTGTAATAGTTT 1680
Db 1696 CTTTCAGAGAGATTAAGACCAAGAAAGTGAAGCTCTTCACTGCACTCTGTAATAGTTT 1755
Qy 1681 CAGTTCCTATTTTCTTCCATGACCAATATTTATACCTTTCAAGTACTGAAGATTAATA 1740
Db 1756 CAGTTCCTATTTTCTTCCATGACCAATATTTATACCTTTCAAGTACTGAAGATTAATA 1815
Qy 1741 ATAATAAATGTAATACTGTGAAAA 1766
Db 1816 ATAATAAATGTAATACTGTGAAAA 1841

RESULT 4

US-09-989-279-318

Sequence 318, Application US/09989279
Patent No. US20020072496A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2730PIC56
CURRENT APPLICATION NUMBER: US/09/989,279
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
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PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
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;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 99.3%; Score 1764.4; DB 9; Length 1841;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 136 GAATCCAGATGCGAGCCCAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACA 195

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Db 196 CCACCATGAGCTGCATTCTCAAGCTCTGCCAACAATCCGACCAATTTCATCTCACCGCTGTAG 255

Qy 181 CAGAGCACAGGGCTCCCTCTTTCAAAGTGGGACCAAGTGGGCCCTGACCTGTGACTTTGT 240

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Qy 1741 ATATATAATGTAATACTGTGAAAAA 1766
Db 1816 ATATATAATGTAATACTGTGAAAAA 1841

RESULT 5

US-09-989-727-318

; Sequence 318 Application US/09989727

; Patent No. US20020072497A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnoyers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Gerritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

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; APPLICANT: Napier, Mary A.

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; APPLICANT: Paoni, Nicholas F.

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; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730P1C65

; CURRENT APPLICATION NUMBER: US/09/989,727

; PRIOR FILING DATE: 2001-11-19

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

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;; PRIOR FILING DATE: 1998-07-09

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DB 256 CAGAGCACAGGGCTCCCTCTTCAAGCTGGCGACAGTGGCCCTGACCTGCTGACTTGT 315

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QY 721 CTTCTGAATCTGTTCCATATTTATAATAGATGTCAACAGCCCAAGAGCAGAGACTGTGG 780
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; Sequence 318, Application US/09989731

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; Patent No. US20020103125A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
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; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PLC70
; CURRENT APPLICATION NUMBER: US/09/989,731
; CURRENT FILING DATE: 2001-11-20
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; PRIOR FILING DATE: 1997-06-15
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Query Match          99.3%; Score 1764.4; DB 9; Length 1841;
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QY 121  CCACCATGAGCTGCACTTCTAAGCCTCTGCCACAACTCGGATCCAGAGCCCGCGCA 180
DB 196  CCACCATGAGCTGCACTTCTAAGCCTCTGCCACAACTCGGATCCAGAGCCCGCGCA 255

QY 181  CAGAGCACAGGCTCCCTCTTCAACGTCGCGACAGTGGCCCTGACCCCTGCTGACTTTGT 240
DB 256  CAGAGCACAGGCTCCCTCTTCAACGTCGCGACAGTGGCCCTGACCCCTGCTGACTTTGT 315
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QY 301  TCTCCAATACCTGGTCAAGACACCACTTCTCAATGGAAGAAAGATTAGGAAATACGTCCC 360
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QY 1261  TTGAAGTAGAGGAAATACATTGAGTAAACATCTCTTTTCTGACAGTCAAGTAGTCCATC 1320
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Db 1696 CTTACAGAGATTAAGACCAAGAAAAAGTGAAGCTCTTCACTTCGACCTGTAAATAGTTT 1755
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Db 1756 CAGTTCCTATTCTTCTCCATGACCCATATTTATACCTTCAGGTACTGAAGATTTAATA 1815
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RESULT 7

US-09-989-732-318
; Sequence 318, Application US/09989732
; Patent No. US20020123463A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C57
; CURRENT APPLICATION NUMBER: US/09/989,732
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
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;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 99.3%; Score 1764.4; DB 9; Length 1841;
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256 CAGACACAGGCTCCCTCTTCAACGCTGGCGACAGTGGCCCTGACCTGTGACTTTGT 315
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1636 CCAGAAAGAAATATATCCCATCTCCGTTTCAATCAGAACTACCGTCCCGGATATTC 1695
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RESULT 8

US-09-991-073-318

; Sequence 318, Application US/09991073

; Patent No. US20020127576A1

; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Geritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C15
; CURRENT APPLICATION NUMBER: US/09/991,073
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
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51	PRIOR APPLICATION NUMBER: 60/092182
52	PRIOR FILING DATE: 1998-07-09

Best local similarity 99.9%; Pled: NO. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy	1	AGTCTCAGTAGCCCGCGCGCC	CAGGGCAATCCGACCACTTTTCACTCTCA	CCGCTGTAG	60
Db	76	AGTCTCAGTAGCCCGCGCGCC	CAGGGCAATCCGACCACTTTTCACTCTCA	CCGCTGTAG	135
Qy	61	GAATCCAGATGCAGGCCCAAGTACAGCAGCAGCAGGAGGACATGCTGGATGATGATGGGGACA			120
Db	136	GAATCCAGATGCAGGCCCAAGTACAGCAGCAGCAGGAGGACATGCTGGATGATGATGGGGACA			195
Qy	121	CCACCATGAGCCTCGCATTTCTTAAGCCTCTGCCAACAATCGGCATCCAGAGCCCGCGGCGCA			180
Db	196	CCACCATGAGCCTCGCATTTCTTAAGCCTCTGCCAACAATCGGCATCCAGAGCCCGCGGCGCA			255
Qy	181	CAGAGCACAGGGCTCCCTCTTTAACTGGCGGACCACTGGCCCTGACCCCTGCTGACTTTGT			240
Db	256	CAGAGCACAGGGCTCCCTCTTTAACTGGCGGACCACTGGCCCTGACCCCTGCTGACTTTGT			315

QY 241 GCTTGGTGTCTGTATAGGGCTGGCAGCCCTGGGCTTTTGTGTTTTCAGTACTACCAGC 300
Db |||||
QY 316 GCTTGGTGTCTGTATAGGGCTGGCAGCCCTGGGCTTTTGTGTTTTCAGTACTACCAGC 375
Db |||||
QY 301 TCTCAATACTGGTCAAGACACCATTTCTCAATGGAAGAAAGATTAGAAATAGTCC 360
Db |||||
QY 376 TCTCAATACTGGTCAAGACACCATTTCTCAATGGAAGAAAGATTAGAAATAGTCC 435
Db |||||
QY 361 AAGAGTGTCAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGCG 420
Db |||||
QY 436 AAGAGTGTCAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGCG 495
Db |||||
QY 421 CTGAAAACTCTGTCTGTAGCTGTATATAAAGCTTGCAGGACACAGGTCGAGCCCTTGT 480
Db |||||
QY 496 CTGAAAACTCTGTCTGTAGCTGTATATAAAGCTTGCAGGACACAGGTCGAGCCCTTGT 555
Db |||||
QY 481 CAGAAATGGAATGGCATGGAGACAAATGCTACAGTTCATATAAAGACAGCAAAAGTT 540
Db |||||
QY 556 CAGAAATGGAATGGCATGGAGACAAATGCTACAGTTCATATAAAGACAGCAAAAGTT 615
Db |||||
QY 541 GGGAGGACTGTAAATATTCTGCTTGTAGTGAAGCTTACCATGCTGAAGATAAACAAC 600
Db |||||
QY 616 GGGAGGACTGTAAATATTCTGCTTGTAGTGAAGCTTACCATGCTGAAGATAAACAAC 675
Db |||||
QY 601 AAGAAAGCTTGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGA 660
Db |||||
QY 676 AAGAAAGCTTGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGA 735
Db |||||
QY 661 CAGGCTTTTGGCCCTGACAGTGGCAAGGCTGCTGTGATGATGAAACCCCTTTCA 720
Db |||||
QY 736 CAGGCTTTTGGCCCTGACAGTGGCAAGGCTGCTGTGATGATGAAACCCCTTTCA 795
Db |||||
QY 721 CTTCTGAATCTTCCATATTATAATAGATGTCACAGCCCAAGACAGAGCTGTGCG 780
Db |||||
QY 796 CTTCTGAATCTTCCATATTATAATAGATGTCACAGCCCAAGACAGAGCTGTGCG 855
Db |||||
QY 781 CCATCTTTAATGGGATGATCTTCTCAAGGACTGCAAGAAATGAAGCTTGTGTCTGTG 840
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QY 856 CCATCTCTCAATGGGATGATCTTCTCAAGGACTGCAAGAAATGAAGCTTGTGTCTGTG 915
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QY 841 AGAAGAGGCGAGGAATGGTGAAGCAGAGAGGCTCCATGTCCTCCCTGAAACATTAGCGG 900
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QY 901 AAGGTGACTGATTGCGCCCTCTGCAACTACAATAGCAGAGTGAGCCGCGTGCCAAAG 960
Db |||||
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Db |||||
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Db |||||
QY 1021 AGTCAAAATGGGTTCTGCTGTTTCTGTTTCAAGATCAACAGCATTTCTGAGCTTGGGTT 1080
Db |||||
QY 1096 AGTCAAAATGGGTTCTGCTGTTTCTGTTTCAAGATCAACAGCATTTCTGAGCTTGGGTT 1155
Db |||||
QY 1081 TATGACGCTATTATACAGTCAACAGGCTTATTTTATATGATCCCAACCAACCTCAGAA 1140
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QY 1156 TATGACGCTATTATACAGTCAACAGGCTTATTTTATATGATCCCAACCAACCTCAGAA 1215
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QY 1141 ACCCAATATGTCATGCTGCTTCTGGCTTAGAGATAAATTTTAGTCTCTCTTCTCTCAA 1200
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QY 1216 ACCCAATATGTCATGCTGCTTCTGGCTTAGAGATAAATTTTAGTCTCTCTTCTCTCAA 1275
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QY 1276 TGTCTAATATCACTCCCTGTTTCTGTTTCTGTTTCAAGTCACTTGGTGGAAATAGAAACTTT 1335
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QY 1261 TTGAAGTAGAGGAATATACATTGAGGTAAACCTCTTCTCTGACAGTCAAGTAGTCCATC 1320
Db |||||
QY 1336 TTGAAGTAGAGGAATATACATTGAGGTAAACCTCTTCTCTGACAGTCAAGTAGTCCATC 1395
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QY 1321 AGAAATGGCAGTCACTTCCAGATTGTACAGCAAAATACACAAGGAATTTCTTTTGT 1380
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Db 1396 AGAAATGGCAGTCACTTCCAGATTGTACAGCAAAATACACAAGGAATTTCTTTTGT 1455
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QY 1391 GTTTCAGTTTCATAGTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1440
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QY 1516 TGCGTTTCCCAACAGGGATGTCATCTGATATGAAATCTCAATCTCAATGCTTATAA 1575
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QY 1576 GCATTCCTTCTGTGTCATTAAGACTCTGATATAATGTCTCCCTCCATAGGAATTTCTC 1635
Db |||||
QY 1561 CCAGGAAGAATATATCCCATCTCCGTTTTCATATCAGAACTACCGTCCCGATATCC 1620
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QY 1756 CAGTTCCTTATTTCTTCCATTTGACCCATATTTATACCTTT CAGGTACTGAAGATTTAATA 1815
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QY 1741 ATAATAAATGTAATACTGTGAAAAA 1766
Db |||||
QY 1816 ATAATAAATGTAATACTGTGAAAAA 1841
Db |||||

RESULT 9

US-09-990-442-318

; Sequence 318, Application US/09990442

; Patent No. US20020132252A1

; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.

; APPLICANT: Baker, Kevin P.

; APPLICANT: Botstein, David

; APPLICANT: Desnovers, Luc

; APPLICANT: Eaton, Dan L.

; APPLICANT: Ferrara, Napoleone

; APPLICANT: Fong, Sherman

; APPLICANT: Gerber, Hanspeter

; APPLICANT: Geritsen, Mary E.

; APPLICANT: Goddard, Audrey

; APPLICANT: Godowski, Paul J.

; APPLICANT: Grimaldi, J. Christopher

; APPLICANT: Gurney, Austin L.

; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.

; APPLICANT: Pan, James

; APPLICANT: Paoni, Nicholas F.

; APPLICANT: Roy, Margaret Ann

; APPLICANT: Stewart, Timothy A.

; APPLICANT: Tumas, Daniel

; APPLICANT: Watanabe, Colin K.

; APPLICANT: Williams, P. Mickey

; APPLICANT: Wood, William I.

; APPLICANT: Zhang, Zemin

; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic

; FILE REFERENCE: P2730P1C8

; CURRENT APPLICATION NUMBER: US/09/990,442

; CURRENT FILING DATE: 2001-11-14

; PRIOR APPLICATION NUMBER: 60/049787

; PRIOR FILING DATE: 1997-06-16

; PRIOR APPLICATION NUMBER: 60/062250

; PRIOR FILING DATE: 1997-10-17

; PRIOR APPLICATION NUMBER: 60/065186

; PRIOR FILING DATE: 1997-11-12

; PRIOR APPLICATION NUMBER: 60/065311

7	PRIOR APPLICATION NUMBER: 60/089533
7	PRIOR FILING DATE: 1998-06-17
7	PRIOR APPLICATION NUMBER: 60/089538
7	PRIOR FILING DATE: 1998-06-17
7	PRIOR APPLICATION NUMBER: 60/089598
7	PRIOR FILING DATE: 1998-06-17
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7	PRIOR FILING DATE: 1998-06-26
7	PRIOR APPLICATION NUMBER: 60/091360
7	PRIOR FILING DATE: 1998-07-01
7	PRIOR APPLICATION NUMBER: 60/091478

; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091544
; PRIOR FILING DATE: 1998-07-01
; PRIOR APPLICATION NUMBER: 60/091519
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091626
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091633
; PRIOR FILING DATE: 1998-07-02
; PRIOR APPLICATION NUMBER: 60/091978
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Query Match 99.3%; Score 1764.4; DB 9; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGCTCACAGTAGCCCGCGGCCAGGCAATCCGACCACATTTTCACTCTCACCGCTGTAG 60
Db 76 AGCTCACAGTAGCCCGCGGCCAGGCAATCCGACCACATTTTCACTCTCACCGCTGTAG 135

Qy 61 GAATCCAGATGACGCCCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACA 120
Db 136 GAATCCAGATGACGCCCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACA 195

Qy 121 CCACCATGAGCTGCAATTTCTAGGCTCTGCCACAATCTGGGATCCAGAGCCCGGCGCA 180
Db 196 CCACCATGAGCTGCAATTTCTAGGCTCTGCCACAATCTGGGATCCAGAGCCCGGCGCA 255

Qy 181 CAGACACAGGCTCCCTCTTCAAGCTGGCCAGTGGCCCTGACCTGCTGACTTTGT 240
Db 256 CAGACACAGGCTCCCTCTTCAAGCTGGCCAGTGGCCCTGACCTGCTGACTTTGT 315

Qy 241 GCTTGGTGTCTGTATAGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACGAC 300
Db 316 GCTTGGTGTCTGTATAGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACGAC 375

Qy 301 TCTCAATACTGGTCAAGACACCATTTCTCAATGGAGAAAGATTAGGAATAGCTGCC 360
Db 376 TCTCAATACTGGTCAAGACACCATTTCTCAATGGAGAAAGATTAGGAATAGCTGCC 435

Qy 361 AAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAGCTTTCAGGAGAGTCTGCAGCATGCG 420
Db 436 AAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAGCTTTCAGGAGAGTCTGCAGCATGCG 495

Qy 421 CTGAAAAAATCTGCTGAGCTGTATAA CAAAGCTGGAGCACACAGGTGCAGCCCTTGTA 480
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Qy 481 CAGAACATGGAAATGGCATGGAGCAATTTGCTACAGTCTTATTAAGACAGCAAAAGTT 540
Db 556 CAGAACATGGAAATGGCATGGAGCAATTTGCTACAGTCTTATTAAGACAGCAAAAGTT 615

Qy 541 GGGAGGACTGTAAATATTTTCTGCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAC 600
Db 616 GGGAGGACTGTAAATATTTTCTGCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAC 675

Qy 601 AAGAGACCTGGAATTTGCGCGTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGA 660
Db 676 AAGAGACCTGGAATTTGCGCGTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGA 735

Qy 661 CAGGCTTTTGGCCCTGACAGTGGCAAGGCTGCTGTGGATGGATGGAAACCCCTTTCA 720
Db 736 CAGGCTTTTGGCCCTGACAGTGGCAAGGCTGCTGTGGATGGATGGAAACCCCTTTCA 795

Qy 721 CTTCGAACTGTTCATATTATAATAGATGTCACAGCCCAAGAGCAGAGACTGTGTGG 780
Db 796 CTTCGAACTGTTCATATTATAATAGATGTCACAGCCCAAGAGCAGAGACTGTGTGG 855

Qy 781 CCATCCTTAATGGGATGATCTTCTCAAGGACTGCAAGAAATTGAAGCGTTGTGTCTGTG 840

Db 856 CCATCCTCAATGGGATGATCTTCTCAAGGACTGCAAGAAATTGAAGCGTTGTGTCTGTG 915
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Qy 1021 AGTACAAAATGGGTTCTGCTGTTTCTGTTTTCAGGATCACCGACATTTCTGAGCTGGGTT 1080
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RESULT 10
US-09-991-163-318
; Sequence 318, Application US/09991163
; Patent No. US20020132253A1
; GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730PIC17
CURRENT APPLICATION NUMBER: US/09/991,163
CURRENT FILING DATE: 2001-11-14
PRIORITY APPLICATION NUMBER: 60/049787
PRIORITY FILING DATE: 1997-06-16
PRIORITY APPLICATION NUMBER: 60/062250
PRIORITY FILING DATE: 1997-10-17
PRIORITY APPLICATION NUMBER: 60/065186
PRIORITY FILING DATE: 1997-11-12
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PRIORITY FILING DATE: 1997-11-13
PRIORITY APPLICATION NUMBER: 60/066770
PRIORITY FILING DATE: 1997-11-24
PRIORITY APPLICATION NUMBER: 60/075945
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PRIORITY FILING DATE: 1998-06-19
PRIORITY APPLICATION NUMBER: 60/089952
PRIORITY FILING DATE: 1998-06-19
PRIORITY APPLICATION NUMBER: 60/090246
PRIORITY FILING DATE: 1998-06-22
PRIORITY APPLICATION NUMBER: 60/090252
PRIORITY FILING DATE: 1998-06-22
PRIORITY APPLICATION NUMBER: 60/090254
PRIORITY FILING DATE: 1998-06-22
PRIORITY APPLICATION NUMBER: 60/090349
PRIORITY FILING DATE: 1998-06-23
PRIORITY APPLICATION NUMBER: 60/090355
PRIORITY FILING DATE: 1998-06-23
PRIORITY APPLICATION NUMBER: 60/090429
PRIORITY FILING DATE: 1998-06-24
PRIORITY APPLICATION NUMBER: 60/090431

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;	PRIORITY FILING DATE: 1998-06-24	;	Db	TCTCCAAATACCTGGTCAAGACACCAATTTCTCAATGGAGAAAGATTAGGAATACGTCCC	435
;	PRIORITY APPLICATION NUMBER: 60/090445	;	Qy	AAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGG	420
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;	PRIORITY FILING DATE: 1998-06-24	;	Db	CAGAACAAATGGAATGGCATGGAGCAATTTCTACCAAGTTCTATAAAGACAGCAAAAGTT	615
;	PRIORITY APPLICATION NUMBER: 60/090676	;	Qy	GGGAGGACTGTAAATATTTCTGCCCTTAGTGAATACTCTACCATGCTGAAGATAAACAAAC	600
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;	PRIORITY APPLICATION NUMBER: 60/090690	;	Qy	AAGAAAGCTGTGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGA	660
;	PRIORITY FILING DATE: 1998-06-25	;	Db	AAGAAAGCTGTGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGA	735
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Query Match		99.3%	Score	1764.4	DB	9	Length	1841
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Db	76	AGCTCACAGTACCGCGGCCCGAGGCAATCCGACCACTTCACTCTCACCGCTGTAG	135					
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Db	136	GAATCCAGATGAGGCAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACA	195					
Qy	121	CCACCATGAGGCTGCAATCTCAGGCTCTGCAACACTCGGATCCAGAGCCCGGGCA	180					
Db	196	CCACCATGAGGCTGCAATCTCAGGCTCTGCAACACTCGGATCCAGAGCCCGGGCA	255					
Qy	181	CAGACAGAGGCTCCCTCTTCAAGCTGGCAGCAGTGGCCCTGACCTGCTGCTTGT	240					
Db	256	CAGACAGAGGCTCCCTCTTCAAGCTGGCAGCAGTGGCCCTGACCTGCTGCTTGT	315					
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Db 1816 ATAATAATGTAATAACTGTGAAAA 1841

RESULT 11

US-09-993-604-318
; Sequence 318, Application US/09993604
; Patent No. US20020137075A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730PIC25
; CURRENT APPLICATION NUMBER: US/09/993,604
; CURRENT FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR APPLICATION NUMBER: 60/066770
; PRIOR FILING DATE: 1997-11-24
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48	PRIOR APPLICATION NUMBER: 60/090557	
49	PRIOR FILING DATE: 1998-06-24	60/090676
50	PRIOR APPLICATION NUMBER: 60/090676	
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57	PRIOR FILING DATE: 1998-06-25	60/090695
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59	PRIOR FILING DATE: 1998-06-25	60/090696
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65	PRIOR FILING DATE: 1998-06-26	60/091360
66	PRIOR APPLICATION NUMBER: 60/091360	
67	PRIOR FILING DATE: 1998-07-01	60/091478
68	PRIOR APPLICATION NUMBER: 60/091478	
69	PRIOR FILING DATE: 1998-07-02	

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46	PRIOR FILING DATE: 1998-07-07	
47	PRIOR APPLICATION NUMBER: 60/091982	
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Qy 361 AAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAGCTTCAGGAGTCTGCAGCATGTGG 420
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Qy 841 AGAAGAGGACGAATGTTGAAGCCAGAGAGCTCTCATGTCCTCCCTGAAACATTAGGG 900
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Db 1156 TATGACGATTTTAAAGTCAAGAGTCTTATTATGATGATGATGATGATGATGATGAT 1215
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Qy 1501 GCATTCCTTCTGTGTCCATTAAGACTCTGATAATTTGTCTCCCTCCATAGGAATTTCTC 1560
Db 1576 GCATTCCTTCTGTGTCCATTAAGACTCTGATAATTTGTCTCCCTCCATAGGAATTTCTC 1635
Qy 1561 CCAGAAAGAAATATATATCCCATCTCCCTTTTCATATCAGAACTACGTCCTCCGATATTC 1620
Db 1636 CCAGAAAGAAATATATATCCCATCTCCCTTTTCATATCAGAACTACGTCCTCCGATATTC 1695
Qy 1621 CTTTCAGAGAGATTAAGACCCAGAAAAAGTGAGCGCTCTTCATCTGCACCTGTAATAGTTT 1680
Db 1696 CTTTCAGAGAGATTAAGACCCAGAAAAAGTGAGCGCTCTTCATCTGCACCTGTAATAGTTT 1755
Qy 1681 CAGTTCTTATTTTCTTCCATTCACCATATTTATATACCTTTCAGGTACTGAAGATTTAATA 1740
Db 1756 CAGTTCTTATTTTCTTCCATTCACCATATTTATATACCTTTCAGGTACTGAAGATTTAATA 1815
Qy 1741 ATAATAATGTAATACTGTGAAAAA 1766
Db 1816 ATAATAATGTAATACTGTGAAAAA 1841

RESULT 13

US-09-989-721-318
; Sequence 318, Application US/09989721
; Patent No. US20020142961A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C55
; CURRENT APPLICATION NUMBER: US/09/989,721
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066770

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6	PRIOR FILING DATE: 1998-06-17
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8	PRIOR FILING DATE: 1998-06-17
9	PRIOR APPLICATION NUMBER: 60/089653
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11	PRIOR APPLICATION NUMBER: 60/089801
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70	PRIOR FILING DATE: 1998-07-01
71	PRIOR APPLICATION NUMBER: 60/091478
72	PRIOR FILING DATE: 1998-07-02
73	PRIOR APPLICATION NUMBER: 60/091544

;; PRIOR FILING DATE: 1998-07-01
;; PRIOR APPLICATION NUMBER: 60/091519
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091626
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091633
;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Query Match 99.3%; Score 1764.4; DB 9; Length 1841;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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DB 76 AGCTCAGTACGCGCGCGCCAGGCAATCCGACCAATTCACATTCCTCAGCGCTGTAG 135
QY 61 GAATCCAGATGCGGCAAGTACAGCAGCAGGAGACATGCTGGATGATGATGGGACA 120
DB 136 GAATCCAGATGCGGCAAGTACAGCAGCAGGAGACATGCTGGATGATGATGGGACA 195
QY 121 CCACATGAGCCTGCAATTCAGGCTCTGACCACTCGGCATCCAGAGCCCGGCGCA 180
DB 196 CCACATGAGCCTGCAATTCAGGCTCTGACCACTCGGCATCCAGAGCCCGGCGCA 255
QY 181 CAGAGCAGGCGCTCCCTCTCAAGTGGCGACAGTGGCGCCCTGACCTGCTGCTTGT 240
DB 256 CAGAGCAGGCGCTCCCTCTCAAGTGGCGACAGTGGCGCCCTGACCTGCTGCTTGT 315
QY 241 GCTTGGTGTGCTGATAGGCTGGCAGCCCTGGGCTTTGTTTTTCACTACTACCAGC 300
DB 316 GCTTGGTGTGCTGATAGGCTGGCAGCCCTGGGCTTTGTTTTTCACTACTACCAGC 375
QY 301 TCTCCAACTACTGGTCAAGACCAATTTCTCAATGGAAGAAAGATTAGGAATACGTC 360
DB 376 TCTCCAACTACTGGTCAAGACCAATTTCTCAATGGAAGAAAGATTAGGAATACGTC 435
QY 361 AAGAGTTCGAATCTCTCAAGTCCAGATATATAAGCTTGCAGGAGTCTGCAGCATGG 420
DB 436 AAGAGTTCGAATCTCTCAAGTCCAGATATATAAGCTTGCAGGAGTCTGCAGCATGG 495
QY 421 CTGAAAACTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGGTGCAGCCCTTGT 480
DB 496 CTGAAAACTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGGTGCAGCCCTTGT 555
QY 481 CAGAACTGGAATGGCATGGAGCAATTTGCTACCACTTCTATAAAGACAGCAAAAGTT 540
DB 556 CAGAACTGGAATGGCATGGAGCAATTTGCTACCACTTCTATAAAGACAGCAAAAGTT 615
QY 541 GGGAGACTGTAATATTCTGCTTAGTGAATCTACCATGCTGAAGATAAACAAC 600
DB 616 GGGAGACTGTAATATTCTGCTTAGTGAATCTACCATGCTGAAGATAAACAAC 675
QY 601 AAGAGACTGTAATATTCTGCTTAGTGAATCTACCATGCTGAAGATAAACAAC 660
DB 676 AAGAGACTGTAATATTCTGCTTAGTGAATCTACCATGCTGAAGATAAACAAC 735
QY 661 CAGGCTTTTGGCGCTGACAGTGGCAAGCCCTGGCTGGATGGATGGAAACCCCTTCA 720
DB 736 CAGGCTTTTGGCGCTGACAGTGGCAAGCCCTGGCTGGATGGATGGAAACCCCTTCA 795
QY 721 CTTCTGAATCTTCCATATATATATAGATGTCAACAGCCCAAGAGCAGAGCTGTGG 780
DB 796 CTTCTGAATCTTCCATATATATATAGATGTCAACAGCCCAAGAGCAGAGCTGTGG 855
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RESULT 14

US-09-592-598-318
; Sequence 318, Application US/09992598
; Patent No. US20020160384A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
TITLE OF INVENTION: Acids Encoding the Same
FILE REFERENCE: P2730P1C20
CURRENT APPLICATION NUMBER: US/09/992,598
CURRENT FILING DATE: 2001-11-14
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, PRIOR FILING DATE: 1998-07-09

Query Match          99.3%; Score 1764.4; DB 9; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy      61  GAATCCAGATGACGGCCCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACA 120
Db     136  GAATCCAGATGACGGCCCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACA 195

Qy     121  CCACCATGAGCTGCAATTTCTCAAGCTCTGCCACAACCTCGGCATCCAGAGCCCGCGCA 180
Db     196  CCACCATGAGCTGCAATTTCTCAAGCTCTGCCACAACCTCGGCATCCAGAGCCCGCGCA 255

Qy     181  CAGAGCAGAGGCTCCCTTTCAAGCTGCGGACAGAGGCGCCCTGACCCCTGCTGATTTGT 240
Db     256  CAGAGCAGAGGCTCCCTTTCAAGCTGCGGACAGAGGCGCCCTGACCCCTGCTGATTTGT 315

Qy     241  GCTTGGTCTGCTGATAGGGCTGCGAGCCCTGGGCTTTTGTGTTTTCAGTACTACGAGC 300
Db     316  GCTTGGTCTGCTGATAGGGCTGCGAGCCCTGGGCTTTTGTGTTTTCAGTACTACGAGC 375
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Qy      361  AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTGCAGGAGTCTGCAGCATGTGG 420
Db     436  AAGAGTTGCAATCTCTTCAAGTCCAGATATAAAGCTTGCAGGAGTCTGCAGCATGTGG 495

Qy      421  CTGAAAAAATCTCTGCTGAGCTGTATAAACAAAGCTGGAGCACACAGGTGCGAGCCCTTGA 480
Db     496  CTGAAAAAATCTCTGCTGAGCTGTATAAACAAAGCTGGAGCACACAGGTGCGAGCCCTTGA 555

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Qy      601  AAGAGAGCTCGAAATTTGCCCGCTCTCAGAGCTACTCTGAGTCTTTTCTACTCTTATGGA 660
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Qy      661  CAGGCTTTTGGCCCTGACAGTGGCAAGGCTGTGGTGGATGGATGGAAACCCCTTTCA 720
Db     736  CAGGCTTTTGGCCCTGACAGTGGCAAGGCTGTGGTGGATGGAAACCCCTTTCA 795

Qy      721  CTTCTGAACTGTTCCATATTAATAGATGTCCAGGCCCAAGAGAAATGGAAGCTTGTCTGTG 780
Db     796  CTTCTGAACTGTTCCATATTAATAGATGTCCAGGCCCAAGAGAAATGGAAGCTTGTCTGTG 855

Qy      781  CCATCCTTAATGGGATGATCTTCTCAAAGGACTGCAAGAAATGGAAGCTTGTCTGTG 840
Db     856  CCATCCTTAATGGGATGATCTTCTCAAAGGACTGCAAGAAATGGAAGCTTGTCTGTG 915

Qy      841  AGAGAGGGCAGGAATGGTGAAGCCAGAGAGCTTCCATGTCCCTCCCTGAAACATTTAGGG 900
Db     916  AGAGAGGGCAGGAATGGTGAAGCCAGAGAGCTTCCATGTCCCTCCCTGAAACATTTAGGG 975

Qy      901  AAGGTGACTGATTCGCCCTCTGCAACTACAATAGCAGAGTGAGCCGCTGCAAG 960
Db     976  AAGGTGACTGATTCGCCCTCTGCAACTACAATAGCAGAGTGAGCCGCTGCAAG 1035

Qy      961  CAAGGGCTAGTTGAGACATTCGGGAAATGGAAACATAATCAGGAAAGACTATCTCTGACT 1020
Db    1036  CAAGGGCTAGTTGAGACATTCGGGAAATGGAAACATAATCAGGAAAGACTATCTCTGACT 1095

Qy    1021  AGTCAAAAATGGGTTCTGTTTCTGTTTCCAGGATCACAGCATTTCTGAGCTTGGGTT 1080
Db    1096  AGTCAAAAATGGGTTCTGTTTCTGTTTCCAGGATCACAGCATTTCTGAGCTTGGGTT 1155

Qy    1081  TATCCAGTATTTAACAGTCAAGAGTCTTATTTACATGCCACCAACCACTCAGAA 1140
Db    1156  TATCCAGTATTTAACAGTCAAGAGTCTTATTTACATGCCACCAACCACTCAGAA 1215

Qy    1141  ACCCATATGTCATCTGCTTCTTGGCTTAGAGATAACTTTTAGCTCTCTTCTCTCAA 1200
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Qy    1261  TTGAAGTAGAGGAATACATTTAGGTAACTCTTTCTCTGAGAGTCAAGTAGTCCATC 1320
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Db    1396  AGAAATTTGGCAGTCACTTCCAGATTTGTACCCAGAAATACACAAAGGAATTTCTTTTGT 1455
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Db 1636 CCAGAAAGAAAT 1695
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Db 1816 ATAATAAATGAAATACGTGAAAA 1841

RESULT 15

US-09-989-293A-318
; Sequence 318, Application US/09989293A
; Patent No. US20020177164A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
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; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C66
; CURRENT APPLICATION NUMBER: US/09/989,293A
; PRIOR FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
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;; PRIOR FILING DATE: 1998-07-09

Query Match 99.3%; Score 1764.4; DB 9; Length 1841;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1765; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 AGCTCACAGTAGCCCGCGGCGCCAGGCGCAATCCGACCACTTTCACCTCTCACCGCTGTAG 60
Db 76 AGCTCACAGTAGCCCGCGGCGCCAGGCGCAATCCGACCACTTTCACCTCTCACCGCTGTAG 135

Qy 61 GAATCCAGATGACGCGCCCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACA 120
Db 136 GAATCCAGATGACGCGCCCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACA 195

Qy 121 CCACCATGAGCCTGCAATTCCTCAAGCCTCTGCGCACTCGGCGCATCCAGAGCCCGCGCA 180
Db 196 CCACCATGAGCCTGCAATTCCTCAAGCCTCTGCGCACTCGGCGCATCCAGAGCCCGCGCA 255

Qy 181 CAGAGCAGGCGCTCCCTCTTCAAGTGGCGACAGTGGCGCTGACCTGCTGACTTTGT 240
Db 256 CAGAGCAGGCGCTCCCTCTTCAAGTGGCGACAGTGGCGCTGACCTGCTGACTTTGT 315

Qy 241 GCTTGGTCTGCTGATAGGCGTGGCAGGCCCTGGGGCTTTTGTCTTTCAGTACTACCAGC 300
Db 316 GCTTGGTCTGCTGATAGGCGTGGCAGGCCCTGGGGCTTTTGTCTTTCAGTACTACCAGC 375

Qy 301 TCTCCAATGCTGCTCAAGACCACTTCTCAAAATGGAAGAAAGATTAGAAATAGCTCCC 360
Db 376 TCTCCAATGCTGCTCAAGACCACTTCTCAAAATGGAAGAAAGATTAGAAATAGCTCCC 435

Qy 361 AAGAGTTGCAATCTTCAAGTCCAGATATAAAGCTTTCAGGAAGTCTGAGCAGTGG 420
Db 436 AAGAGTTGCAATCTTCAAGTCCAGATATAAAGCTTTCAGGAAGTCTGAGCAGTGG 495

Qy 421 CTGAAAACTCTGCTGAGCTGTATACAAAGCTGGAGCAGCAGAGTGCAGCCCTTGT 480
Db 496 CTGAAAACTCTGCTGAGCTGTATACAAAGCTGGAGCAGCAGAGTGCAGCCCTTGT 555

Qy 481 CAGAAATGGAATGGCATGGAGCAATTCCTACCACTTCTATAAAGCAGCAAAAGTT 540
Db 556 CAGAAATGGAATGGCATGGAGCAATTCCTACCACTTCTATAAAGCAGCAAAAGTT 615

Qy 541 GGGAGGACTGTAATATTTCTGCGCTTGTAGTAAATCTACCATCTGAGATATAACAAC 600
Db 616 GGGAGGACTGTAATATTTCTGCGCTTGTAGTAAATCTACCATCTGAGATATAACAAC 675

Qy 601 AAGAGACTGGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTTTATGGA 660
Db 676 AAGAGACTGGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTTTATGGA 735

Qy 661 CAGGCTTTTGGCGCTGACAGTGGCAAGGCTGCTGTGATGATGGAACCCCTTTCA 720
Db 736 CAGGCTTTTGGCGCTGACAGTGGCAAGGCTGCTGTGATGATGGAACCCCTTTCA 795

Qy 721 CTTCTGAGCTTCCATATTTATAGTGTCAACGCCCAAGAGCAGAGCAGTGTGG 780
Db 796 CTTCTGAGCTTCCATATTTATAGTGTCAACGCCCAAGAGCAGAGCAGTGTGG 855

Qy 781 CCATCCTTAATGGGATGATCTTCTCAAAGGACTGCAAGAAATGGAAGTTGTGTCTGTG 840
Db 856 CCATCCTTAATGGGATGATCTTCTCAAAGGACTGCAAGAAATGGAAGTTGTGTCTGTG 915

QY 841 AGAGAAGGCGAGGAATGGTGAAGCAGAGAGCCTCCATGTCCCCCTGAAACATTAGGCG 900
Dd |||||
QY 916 AGAGAAGGCGAGGAATGGTGAAGCAGAGAGCCTCCATGTCCCCCTGAAACATTAGGCG 975
Dd |||||
QY 901 AAGGTGACTGATTCGCCCTCTGCAACTACAAATAGCAGAGTGAGCCAGGCGGTGCAAAAG 960
Dd |||||
QY 976 AAGGTGACTGATTCGCCCTCTGCAACTACAAATAGCAGAGTGAGCCAGGCGGTGCAAAAG 1035
QY 961 CAAGGGCTAGTTGAGACATTTGGGAATGGAACATAATCAGGAAGACATATCTCTGACT 1020
Dd |||||
QY 1036 CAAGGGCTAGTTGAGACATTTGGGAATGGAACATAATCAGGAAGACATATCTCTGACT 1095
QY 1021 AGTACAAAATGGGTTCTCGTGTTCCTGTTCAGGATCACCGACATTTCTGAGCTTTGGGTT 1080
Dd |||||
QY 1096 AGTACAAAATGGGTTCTCGTGTTCCTGTTCAGGATCACCGACATTTCTGAGCTTTGGGTT 1155
QY 1081 TATGCAAGTATTTAAACAGTCAAGAAGTCTTATTTATATGTCACCAACCAACCTCAGAA 1140
Dd |||||
QY 1156 TATGCAAGTATTTAAACAGTCAAGAAGTCTTATTTATATGTCACCAACCAACCTCAGAA 1215
QY 1141 ACCCATAATGTCATCTGCTCTTCTGGCTTAGAGATAAATTTTAGCTCTCTTCTCTCAA 1200
Dd |||||
QY 1216 ACCCATAATGTCATCTGCTCTTCTGGCTTAGAGATAAATTTTAGCTCTCTTCTCTCAA 1275
QY 1201 TGTCTAATATCACCTCCCTGTTTTCATGTCTTCTTACACTTTGGTGAATAAGAACTTT 1260
Dd |||||
QY 1276 TGTCTAATATCACCTCCCTGTTTTCATGTCTTCTTACACTTTGGTGAATAAGAACTTT 1335
QY 1261 TTGAAGTAGAGAAATATACATTGAGGTAAATCTTTTCTCTGACAGTCAAGTAGTCCATC 1320
Dd |||||
QY 1336 TTGAAGTAGAGAAATATACATTGAGGTAAATCTTTTCTCTGACAGTCAAGTAGTCCATC 1395
QY 1321 AGAATATGCGAGTCACTTCCAGATTTGACAGCAAAATACACAAGGAATCTTTTGTGTT 1380
Dd |||||
QY 1396 AGAATATGCGAGTCACTTCCAGATTTGACAGCAAAATACACAAGGAATCTTTTGTGTT 1455
QY 1381 GTTTCAGTTTCATATAGTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1440
Dd |||||
QY 1456 GTTTCAGTTTCATATAGTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCA 1515
QY 1441 TGCCGTTTCCCAACAGGGAATGTCACTTGATATGAGAAATCTCAATCTCAATGCGCTTATAA 1500
Dd |||||
QY 1516 TGCCGTTTCCCAACAGGGAATGTCACTTGATATGAGAAATCTCAATCTCAATGCGCTTATAA 1575
QY 1501 GCATTCCTTCTGTGTCCATTAAGACTCTGATAATTTGTCTCCCTCCATAGGAATTTCTC 1560
Dd |||||
QY 1576 GCATTCCTTCTGTGTCCATTAAGACTCTGATAATTTGTCTCCCTCCATAGGAATTTCTC 1635
QY 1561 CCAGGAAGAAATATATCCCATCTCCGTTTCATATCAGAACTACCGTCCCGGATATTCC 1620
Dd |||||
QY 1636 CCAGGAAGAAATATATCCCATCTCCGTTTCATATCAGAACTACCGTCCCGGATATTCC 1695
QY 1621 CTTGAGAGATTTAAAGACAGAAAAAGTAGGCTCTTTCATCTGCACTGTATAGTTT 1680
Dd |||||
QY 1696 CTTGAGAGATTTAAAGACAGAAAAAGTAGGCTCTTTCATCTGCACTGTATAGTTT 1755
QY 1681 CAGTTCTTATTTTCTTCCATTCACCAATATTTATACCTTTGAGGTACTGAGATTTAATA 1740
Dd |||||
QY 1756 CAGTTCTTATTTTCTTCCATTTGACCAATATTTATACCTTTGAGGTACTGAGATTTAATA 1815
QY 1741 ATAATAAATGTAAATATCTGTGAAAAA 1766
Dd |||||
QY 1816 ATAATAAATGTAAATATCTGTGAAAAA 1841
Dd |||||

Search completed: October 8, 2005, 00:59:08
Job time : 1188 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: October 7, 2005, 19:46:51 ; Search time 5317 Seconds
(without alignments)
12714.339 Million cell updates/sec

Title: US-10-689-742-159
Perfect score: 1776
Sequence: 1 agctcacagtgcggcggg.....ctgtgaaaaa..... 1776

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 68479088

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : EST:*

1: gb_est1:*

2: gb_est2:*

3: gb_hic:*

4: gb_est3:*

5: gb_est4:*

6: gb_est5:*

7: gb_est6:*

8: gb_gsa1:*

9: gb_gsa2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1732.4	97.5	1734	CR591145	CR591145 full-length
2	1690.4	95.2	1692	CR591231	CR591231 full-length
3	1671.4	94.1	1673	CR606141	CR606141 full-length
4	1669.4	94.0	1671	CR614400	CR614400 full-length
5	1651.4	93.0	1747	CR619172	CR619172 full-length
6	1554	87.5	1759	CR598502	CR598502 full-length
7	1027.6	57.9	1045	CR599905	CR599905 full-length
8	1001.4	56.4	1003	CR604680	CR604680 full-length
9	998.4	56.2	1068	CR599904	CR599904 full-length
10	966.6	54.4	1076	CR380211	CR380211 full-length
11	912.4	51.4	990	CR339074	CR339074 full-length
12	912.2	51.4	996	CR358356	CR358356 full-length
13	907.2	51.1	1049	AL541315	AL541315 full-length
14	865.4	48.7	914	CR391810	CR391810 full-length
15	855	48.1	1001	CR324788	CR324788 full-length
16	846.4	47.7	958	CR399696	CR399696 full-length
17	845.8	47.6	998	AL568840	AL568840 full-length
18	812.4	45.7	927	CR358357	CR358357 full-length
19	808.2	45.5	919	BQ722745	BQ722745 full-length
20	807.2	45.5	1078	BM920364	BM920364 full-length
21	806.4	45.4	1076	CR337172	CR337172 full-length
22	805.8	45.4	860	CR373476	CR373476 full-length
23	797	44.3	834	CR380078	CR380078 full-length
24	786.2	44.3	971	CR399695	CR399695 full-length

25	776.6	43.7	964	5	CR591145	1734 bp	mRNA	linear	HTC 21-JUL-2004
26	768.4	43.3	770	5	CR591145	full-length cDNA clone	CS0D1049YB09	of Placenta Cot 25-normalized	
27	750.2	42.2	964	5	CR591145	of Homo sapiens (human).			
28	741.2	41.7	912	5	CR591145	HTC; CDSLT cDNA.			
29	729.4	41.1	732	5	CR591145	Homo sapiens (human)			
30	722	40.7	830	4	CR591145	Homo sapiens			
31	719.2	40.5	866	5	CR591145	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
32	706.2	39.8	1042	5	CR591145	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.			
33	678.4	38.2	801	6	CR591145	Li.W.B., Gruber, C., Jessee, J. and Polayes, D.			
34	664.2	37.4	875	7	CR591145	Full-length cDNA libraries and normalization			
35	645.2	36.3	913	5	CR591145	Unpublished			
36	631.8	35.6	832	6	CR591145	Contact: Feng Liang Email: fliang@lifetech.com URL: http://fulllength.invitrogen.com/			
37	627.4	35.3	819	6	CR591145	Invitrogen Corporation 1600 Faraday Avenue			
38	619.2	34.9	941	4	CR591145	Genoscope.			
39	574	32.3	574	5	CR591145	Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :			
40	572.4	32.2	3084	3	CR591145	BP 191 91006 EVRY cedex - FRANCE (E-mail: seqref@genoscope.cns.fr)			
41	568.4	32.0	581	5	CR591145	1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of invitrogen.			
42	564.2	31.8	1400	3	CR591145	Location/Qualifiers			
43	533.4	30.0	605	1	CR591145	1. 1734			
44	524.8	29.5	821	6	CR591145	/organism="Homo sapiens"			
45	523	29.4	690	5	CR591145	/mol_type="mRNA"			
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					CR591145	/clone="CS0D1049YB09"			
					CR591145	/tissue type="Placenta Cot 25-normalized"			
					CR591145	/plasmid="pCMVSPORT_6"			

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QY 25 GGGCAATCCGACCATTTTCACTCTCAGCGTGTAGGAATCCAGATGCAGGCAAGTACA 84
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Db 1 GGGCAATCCGACCATTTTCACTCTCAGCGTGTAGGAATCCAGATGCAGGCAAGTACA 60

/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS01041Y14"
/tissue="placenta"
/plasmid="pCMVSPORT_6"

ORIGIN

Query Match 95.2%; Score 1690.4; DB 3; Length 1692;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1691; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 25 GGGCATCCGACACATTTCTACTCTCAGCGCTGTAGGAATCCAGATGAGGCGCAAGTACA 84
DB 1 GGGCAATCCGACACATTTCTACTCTCAGCGCTGTAGGAATCCAGATGAGGCGCAAGTACA 60
QY 85 GCAGCAGGAGGACATGCTGGGATGATGATGGGACACACACATGAGCCTGCAATCTCAAG 144
DB 61 GCAGCAGGAGGACATGCTGGGATGATGATGGGACACACACATGAGCCTGCAATCTCAAG 120
QY 145 CTTCTGCCCAACTCTGGGCAATCCAGAGCCCGGCGCACAGACACAGGGCTCCCTCTTCAA 204
DB 121 GCTCTGCCCAACTCTGGGCAATCCAGAGCCCGGCGCACAGACACAGGGCTCCCTCTTCAA 180
QY 205 CGTGGCGACAGTGGCCCTGAGCCCTGCTGACTTTGTGCTTGGTGGCTGTGATAGGCGTGG 264
DB 181 CGTGGCGACAGTGGCCCTGAGCCCTGCTGACTTTGTGCTTGGTGGCTGTGATAGGCGTGG 240
QY 265 CAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACAGCTCTCCAACTACTGCTCAAGACACCA 324
DB 241 CAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACAGCTCTCCAACTACTGCTCAAGACACCA 300
QY 325 TTTCTCAATGGAAGAAATAGGAAATACGTTCCAGAGTTGCAATCTTCTCAAGTCC 384
DB 301 TTTCTCAATGGAAGAAATAGGAAATACGTTCCAGAGTTGCAATCTTCTCAAGTCC 360
QY 385 AGAATAAAGCTTGCAGGAAGTCTGACATGTGCTGAAACACTGCTGCTGAGCTGT 444
DB 361 AGAATAAAGCTTGCAGGAAGTCTGACATGTGCTGAAACACTGCTGCTGAGCTGT 420
QY 445 ATAAACAAAGCTGAGCACACAGTGCAGCCCTTTGTACAGAACTAAGTGAATGGCATGGAG 504
DB 421 ATAAACAAAGCTGAGCACACAGTGCAGCCCTTTGTACAGAACTAAGTGAATGGCATGGAG 480
QY 505 ACAATTGCTACAGTTCTTAAGAGCAGCAAAAGTTGGAGGACTGTAAATATTTCTGCC 564
DB 481 ACAATTGCTACAGTTCTTAAGAGCAGCAAAAGTTGGAGGACTGTAAATATTTCTGCC 540
QY 565 TTAGTGAACAACTCTACCATGCTGAGATAAACAAACAGACAGCTGGAATTTGGCGGT 624
DB 541 TTAGTGAACAACTCTACCATGCTGAGATAAACAAACAGACAGCTGGAATTTGGCGGT 600
QY 625 CTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGCTTTTGGCCCTGACAGTG 684
DB 601 CTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGCTTTTGGCCCTGACAGTG 660
QY 685 GCAAGGCTCTGCTGTGGATGATGGAACCCCTTTCACTTCTGAACTGTTCCATATTATAA 744
DB 661 GCAAGGCTCTGCTGTGGATGATGGAACCCCTTTCACTTCTGAACTGTTCCATATTATAA 720
QY 745 TAGATGTCAACAGCCCAAGAGCAGAGACTGTGTGGCCATCTTAAATGGGATGATCTTCT 804
DB 721 TAGATGTCAACAGCCCAAGAGCAGAGACTGTGTGGCCATCTTAAATGGGATGATCTTCT 780
QY 805 CAAAGGACTGCAAGAAATTTGAAGCGTTGTCTGTGAGAGAGGCGGCAAGTGGTGAAGC 864
DB 781 CAAAGGACTGCAAGAAATTTGAAGCGTTGTCTGTGAGAGAGGCGGCAAGTGGTGAAGC 840
QY 865 CAGAGAGCCTCCATGTGCCCTTCAACCAATAGGCGAAGGCTGACTGATTCGCCCTCTGCA 924
DB 841 CAGAGAGCCTCCATGTGCCCTTCAACCAATAGGCGAAGGCTGACTGATTCGCCCTCTGCA 900
QY 925 ACTACAAATAGCAGAGTGAAGCGGCTGCCAAGCAAGGCGTGTAGTGGACATTTGGGA 984

DB 901 ACTACAAATAGCAGAGTGAAGCGGCTGCCAAGCAAGGCTAGTTGAGACATTTGGGA 960
QY 985 AATGGAACATTAATCAGGAAAGACTATCTCTCTGACTAGTACAAAATGGTTCCTCGTGT 1044
DB 961 AATGGAACATTAATCAGGAAAGACTATCTCTCTGACTAGTACAAAATGGTTCCTCGTGT 1020
QY 1045 CTTGTTGAGGATCAGCAGATTTCTGAGCTTGGGTTTATGACGATTTTAAACAGTACAAA 1104
DB 1021 CTTGTTGAGGATCAGCAGATTTCTGAGCTTGGGTTTATGACGATTTTAAACAGTACAAA 1080
QY 1105 GAAGTCTTATTATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1164
DB 1081 GAAGTCTTATTATTAATGATGATGATGATGATGATGATGATGATGATGATGATGATGAT 1140
QY 1165 GCTTTAGAGATAAATCTTTAGTCTCTCTTCTCTCAATGCTTAATATCACTCCCTCTGTTT 1224
DB 1141 GCTTTAGAGATAAATCTTTAGTCTCTCTTCTCTCAATGCTTAATATCACTCCCTCTGTTT 1200
QY 1225 CATGCTTCTTACACTTGGTGGAAATAAGAAACTTTTGAAGTAGAGGAAATACATTGAG 1284
DB 1201 CATGCTTCTTACACTTGGTGGAAATAAGAAACTTTTGAAGTAGAGGAAATACATTGAG 1260
QY 1285 GTAACATCTCTTCTCTGACAGTCAAGTAGTCCATCAGAAATTTGGCAGTCACTTCCACA 1344
DB 1261 GTAACATCTCTTCTCTGACAGTCAAGTAGTCCATCAGAAATTTGGCAGTCACTTCCACA 1320
QY 1345 TTGTACCAAGCAAAATACACAAGGAATTTCTTTTGTGTTTGTTCAGTTTCTAGTCCCTTC 1404
DB 1321 TTGTACCAAGCAAAATACACAAGGAATTTCTTTTGTGTTTGTTCAGTTTCTAGTCCCTTC 1380
QY 1405 CCAATCCATCAGTAAAGACCCCATCTGCTTGTGTCATGCGTTTCCCAACAGGAGTGA 1464
DB 1381 CCAATCCATCAGTAAAGACCCCATCTGCTTGTGTCATGCGTTTCCCAACAGGAGTGA 1440
QY 1465 CTTGATATGAGAACTCTCAAACTCAATGCTTAATAGCAATTCCTTCTGTTGCTCAATAG 1524
DB 1441 CTTGATATGAGAACTCTCAAACTCAATGCTTAATAGCAATTCCTTCTGTTGCTCAATAG 1500
QY 1525 ACTCTGATAATTTGCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATATCCCATTC 1584
DB 1501 ACTCTGATAATTTGCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATATCCCATTC 1560
QY 1585 TCCGTTTCTATCAGAACTACGCTCCCGATATTCCTTCCAGAGAGATTTAAAGACAGAA 1644
DB 1561 TCCGTTTCTATCAGAACTACGCTCCCGATATTCCTTCCAGAGAGATTTAAAGACAGAA 1620
QY 1645 AAAAGTGAAGCTCTTCACTGACCTGTAATGATTTTCTGTTTCTTCCATTTGAC 1704
DB 1621 AAAAGTGAAGCTCTTCACTGACCTGTAATGATTTTCTGTTTCTTCCATTTGAC 1680
QY 1705 CCATATTTTATAC 1716
DB 1681 CCATATTTTATAC 1692

RESULT 3

CR606141

LOCUS

DEFINITION

full-length cDNA clone

CS0DE006YK19 of

Placenta of Homo sapiens

(human).

ACCESSION

CR606141

VERSION

CR606141.1

KEYWORDS

HTC; CNSLT cDNA.

SOURCE

Homo sapiens

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

1 (bases 1 to 1673)

AUTHORS

Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

TITLE

Full-length cDNA libraries and normalization

JOURNAL

Unpublished

REMARK

Contact : Feng Liang Email : fliang@lifetech.com URL :

http://fulllength.invitrogen.com/ Invitrogen Corporation 1600

Faraday Avenue

2 (bases 1 to 1673)

Genoscope.

Direct Submission

Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :

BP 191 91006 EVRY cedex - FRANCE (E-mail : segref@genoscope.cns.fr

- Web : www.genoscope.cns.fr)

1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime

end enriched, double-strand cDNA was digested with Not I and cloned

into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library

was normalized. Library was constructed by Life Technologies, a

division of Invitrogen.

Location/Qualifiers

1. 1673

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CS0DE006YK19"

/tissue type="Placenta"

/plasmid="pCMVSPORT_6"

source

ORIGIN

Query Match 94.1%; Score 1671.4; DB 3; Length 1673;

Best Local Similarity 99.9%; Pred. No. 0;

Matches 1672; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 1 CAAGTACAGCAGCAGGAGCATGCTGATGATGATGGGACACACCATGAGCGTCA 60
QY 137 TTCTCAAGCCTCTGCGACAACTCGGCATCCAGAGCCCGGGCGCAGAGCAGAGGCTCC 196
Db 61 TTCTCAAGCCTCTGCGACAACTCGGCATCCAGAGCCCGGGCGCAGAGCAGAGGCTCC 120
QY 197 CTCCTCAAGCTGGCAGCAGTGGCCCTGACCTGCTGACTTTGCTTGGTGGTGGTGGT 256
Db 121 CTCCTCAAGCTGGCAGCAGTGGCCCTGACCTGCTGACTTTGCTTGGTGGTGGTGGT 180
QY 257 AGGGCTGGCAGCCTGGGGCTTTGTTTTTTCAGTACTACAGCTCTCCAATACCTGGTCA 316
Db 181 AGGGCTGGCAGCCTGGGGCTTTGTTTTTTCAGTACTACAGCTCTCCAATACCTGGTCA 240
QY 317 AGACACCAATTTCTCAAAATGGAAGAAGATTAGGAATACGTCACCAAGAGTTGCAATCTCT 376
Db 241 AGACACCAATTTCTCAAAATGGAAGAAGATTAGGAATACGTCACCAAGAGTTGCAATCTCT 300
QY 377 TCAAGTCAGAAATATAAAGCTTGAGGAAGTCTGAGCATATGAGTGGCTGAAAACCTCTGTCG 436
Db 301 TCAAGTCAGAAATATAAAGCTTGAGGAAGTCTGAGCATATGAGTGGCTGAAAACCTCTGTCG 360
QY 437 TGAGCTGTATAACAAGCTTGAGGACACAGGTCAGGCCCTTGTACAGAACCAATGGAAATG 496
Db 361 TGAGCTGTATAACAAGCTTGAGGACACAGGTCAGGCCCTTGTACAGAACCAATGGAAATG 420
QY 497 GCATGGAGACAATTTGCTACCAAGTTCTATAAAGACAGCAAAAAGTTGGGAGGACTGTAAATA 556
Db 421 GCATGGAGACAATTTGCTACCAAGTTCTATAAAGACAGCAAAAAGTTGGGAGGACTGTAAATA 480
QY 557 TTTCTGCTTGTAGTGAATACTTACATGCTGAAGATAAACAACAAGAACCTTGGAAAT 616
Db 481 TTTCTGCTTGTAGTGAATACTTACATGCTGAAGATAAACAACAAGAACCTTGGAAAT 540
QY 617 TGCGCGTCTCAGAGCTACTCTGAGTTTTTCTTACTTTTATGGACAGGGCTTTTGGCGCC 676
Db 541 TGCGCGTCTCAGAGCTACTCTGAGTTTTTCTTACTTTTATGGACAGGGCTTTTGGCGCC 600
QY 677 TGACAGTGGCAGGCTGGCTGTGATGGATGGAAACCCCTTTTCACTTCTGAACCTGTTCCA 736
Db 601 TGACAGTGGCAGGCTGGCTGTGATGGATGGAAACCCCTTTTCACTTCTGAACCTGTTCCA 660
QY 737 TATTATATAGATGTACACAGCCCAAGAGCGAGAGCTGTGGCCATCTCTTAATGGAT 796
Db 737 TATTATATAGATGTACACAGCCCAAGAGCGAGAGCTGTGGCCATCTCTTAATGGAT 796
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RESULT 4

CR614400

LOCUS

DEFINITION full-length cDNA clone CS0DI036YF20 of Placenta Cot 25-normalized
OF Homo sapiens (human).

ACCESSION CR614400

CR614400 1671 bp mRNA linear HTC 21-JUL-2004

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Db 661 TATTATATAGATGTACACAGCCCAAGACAGAGACTGTGTGGCCATCTCTTAATGGAT 720
QY 797 GATCTTCTCAAGGACTGCAAGAAATGAAGCGTTGTCTCTGTGAGAGAGGGCAGGAAT 856
Db 721 GATCTTCTCAAGGACTGCAAGAAATGAAGCGTTGTCTCTGTGAGAGAGGGCAGGAAT 780
QY 857 GGTGAAGCAGAGAGCCTTCATGTCCCTCCCTGAAACATTAGGCGAAGGTGACTGATTCGC 916
Db 781 GGTGAAGCAGAGAGCCTTCATGTCCCTCCCTGAAACATTAGGCGAAGGTGACTGATTCGC 840
QY 917 CCTCTGCAACTACAAATAGCAGAGTGAGCCAGGCGGTGCCAAAGCAGGGCTAGTTGAGA 976
Db 841 CCTCTGCAACTACAAATAGCAGAGTGAGCCAGGCGGTGCCAAAGCAGGGCTAGTTGAGA 900
QY 977 CATTTGGGAAATGGAAACATAATCAGAAAGACTATCTCTCTGACTAGTACAAAATGGGTTTC 1036
Db 901 CATTTGGGAAATGGAAACATAATCAGAAAGACTATCTCTCTGACTAGTACAAAATGGGTTTC 960
QY 1037 TCGTGTTCCTGTTTCAGGATCACCAGCATTTCTGAGCTTGGGTTTATGCACTATTTAAC 1096
Db 961 TCGTGTTCCTGTTTCAGGATCACCAGCATTTCTGAGCTTGGGTTTATGCACTATTTAAC 1020
QY 1097 AGTCACAGAGACTCTTATTATACATGCCACCAACCAACCTCAGAAACCATATATGTCATCT 1156
Db 1021 AGTCACAGAGACTCTTATTATACATGCCACCAACCAACCTCAGAAACCATATATGTCATCT 1080
QY 1157 GCCTTCTTGGCTTAGAGATACTTTTAGCTCTCTTTCTTCTCTCAATGTCTAATATCACCTC 1216
Db 1081 GCCTTCTTGGCTTAGAGATACTTTTAGCTCTCTTTCTTCTCTCAATGTCTAATATCACCTC 1140
QY 1217 CCTGTTCATGTCTTCTTACACTTGTGTGGAATAAGAAAATCTTTTGAAGTAGAGGAAT 1276
Db 1141 CCTGTTCATGTCTTCTTACACTTGTGTGGAATAAGAAAATCTTTTGAAGTAGAGGAAT 1200
QY 1277 ACATTTAGGTTAAACATCTTTTCTGACAGTCAAGTAGTCCATCAGAAATTTGGCAGTCCAC 1336
Db 1201 ACATTTAGGTTAAACATCTTTTCTGACAGTCAAGTAGTCCATCAGAAATTTGGCAGTCCAC 1260
QY 1337 TTCCACAGATTGTACACAGCAATATACAGAGGAATTTCTTTTGTGTTTGTTCAGTTCACTA 1396
Db 1261 TTCCACAGATTGTACACAGCAATATACAGAGGAATTTCTTTTGTGTTTGTTCAGTTCACTA 1320
QY 1397 GTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTGTCATGCGTTTCCCAACAG 1456
Db 1321 GTCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTGTCATGCGTTTCCCAACAG 1380
QY 1457 GGATGTCACTTGATATGAGATCTCAATGCTTATAGCATTCCTTCTCTGTGT 1516
Db 1381 GGATGTCACTTGATATGAGATCTCAATGCTTATAGCATTCCTTCTCTGTGT 1440
QY 1517 CCATTTAAGACTCTGATAATTTGTCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATA 1576
Db 1441 CCATTTAAGACTCTGATAATTTGTCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATA 1500
QY 1577 TCCCATCTCGTTTTCATATCAGAACTACCGTCCCGCATATTCCTTCCAGAGAGATTAAA 1636
Db 1501 TCCCATCTCGTTTTCATATCAGAACTACCGTCCCGCATATTCCTTCCAGAGAGATTAAA 1560
QY 1637 GACCAGAAAAGTAGCGCTTTCATCTGACCTGTAATAGTTTCAGTTCCCTATTTCTT 1696
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Db 1621 CCATTTGACCCATATTTATACCTTTTCAGTACTGAAGATTAAATAATAAAT 1673
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VERSION CR614400.1 GI:50495207
KEYWORDS HTC; CNSLT_CDNA.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
TITLE Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
JOURNAL Full-length cDNA libraries and normalization
REMARK Unpublished
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paraday Avenue
2 (bases 1 to 1671)
Genoscope.
Direct Submission
Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr
- Web : www.genoscope.cns.fr)
COMMENT 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
FEATURES
Location/Qualifiers
source
1..1671
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS001036YF20"
/tissue_type="Placenta Cot 25-normalized"
/plasmid="pCMVSPORT_6"
ORIGIN
Query Match 94.0%; Score 1669.4; DB 3; Length 1671;
Best Local Similarity 99.9%; Pred No. 0;
Matches 1670; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 60 GGAATCCAGATGACAGCCCAAGTACAGCAGCAGGAGCATGCTGGATGATGGGAC 119
DB 1 GGAATCCAGATGACAGCCCAAGTACAGCAGCAGGAGCATGCTGGATGATGGGAC 60
QY 120 ACCACATGAGCCTGATCTCAAGCCTTGCACAACTCGGCATCCAGAGCCCGGCGC 179
DB 61 ACCACATGAGCCTGATCTCAAGCCTTGCACAACTCGGCATCCAGAGCCCGGCGC 120
QY 180 ACAGAGCAGAGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCCCTGCTGACTTTG 239
DB 121 ACAGAGCAGAGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCCCTGCTGACTTTG 180
QY 240 TGCTTGGTCTGCTGATAGGCTGGAGCCTTGGGGCTTTTGTCTTTTTCAGTACTACCAG 299
DB 181 TGCTTGGTCTGCTGATAGGCTGGAGCCTTGGGGCTTTTGTCTTTTTCAGTACTACCAG 240
QY 300 CTCTCCAATAGTGTCAAGACACCAATTTCTCAATGGAAGAAAGATTAGGAAAATAGTCC 359
DB 241 CTCTCCAATAGTGTCAAGACACCAATTTCTCAATGGAAGAAAGATTAGGAAAATAGTCC 300
QY 360 CAAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAAGCTTGGCAGGAAGTCTGCAGCATGTG 419
DB 301 CAAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAAGCTTGGCAGGAAGTCTGCAGCATGTG 360
QY 420 GCTGAAAACTCTGTCGTGAGCTGTATTAACAAAGCTGGAGCAGACAGGTGAGCCCTTGT 479
DB 361 GCTGAAAACTCTGTCGTGAGCTGTATTAACAAAGCTGGAGCAGACAGGTGAGCCCTTGT 420
QY 480 ACAGAACTATGGAATGGCATGGAGCAATTCCTACCAAGTCTTATTAAGACAGCAAAAGT 539
DB 421 ACAGAACTATGGAATGGCATGGAGCAATTCCTACCAAGTCTTATTAAGACAGCAAAAGT 480
QY 540 TGGGAGGACTGTAAATATTTCTGCTCTAGTGAAGAACTCTACCCTGCTGAAGTAAACAA 599
DB 481 TGGGAGGACTGTAAATATTTCTGCTCTAGTGAAGAACTCTACCCTGCTGAAGTAAACAA 540
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DB 601 ACAGGGCTTTTGGCGCTGACAGTGGCGGAGCCCTGGCTGTGGATGGATGGAAACCCCTTTC 660
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DB 721 GCCATCTTAATGGGATGATCTTCTCAAGGACTGCAAGAAATGAAAGCTGTGTCTGT 780
QY 840 GAGAGAAGGGCAGGAATGCTGAAGCCAGAGAGCTTCCATGTCCCCCTGAAACATTAGGC 899
DB 781 GAGAGAAGGGCAGGAATGCTGAAGCCAGAGAGCTTCCATGTCCCCCTGAAACATTAGGC 840
QY 900 GAAAGTGACTGATTCGCCCTCTGCAACTACAAATAGCAGAGTGAAGCGGGTCCCAA 959
DB 841 GAAAGTGACTGATTCGCCCTCTGCAACTACAAATAGCAGAGTGAAGCGGGTCCCAA 900
QY 960 GAAAGTGACTGATTCGCCCTCTGCAACTACAAATAGCAGAGTGAAGCGGGTCCCAA 1019
DB 901 GAAAGTGACTGATTCGCCCTCTGCAACTACAAATAGCAGAGTGAAGCGGGTCCCAA 960
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DB 961 TAGTACAAAATGGGCTTCTCGTGTTCCTGTTTCAGGATCACCAGCATTTCTGAGCTTGGT 1020
QY 1080 TTATGCACTATTTAAACAGTCAAGAGTCTTATTTATCATGCCACCAACCAACCTCAGA 1139
DB 1021 TTATGCACTATTTAAACAGTCAAGAGTCTTATTTATCATGCCACCAACCAACCTCAGA 1080
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DB 1081 AACCATAATGTCATCTGCTTCTTGGCTTAGAGATAACTTTTAGCTCTCTTTTCTTCA 1140
QY 1200 ATGTCCTAATACCTCCCTGTTTCTGTTTCTTCTTCACTTGGTGAATAAGAACTT 1259
DB 1141 ATGTCCTAATACCTCCCTGTTTCTGTTTCTTCTTCACTTGGTGAATAAGAACTT 1200
QY 1260 TTTGAAAGTAGAGGAAATACATTTGAGGTAAACATCTTTTCTGACAGTCAAGTAGTCCAT 1319
DB 1201 TTTGAAAGTAGAGGAAATACATTTGAGGTAAACATCTTTTCTGACAGTCAAGTAGTCCAT 1260
QY 1320 CAGAAAATGGCAGTCACTTCCAGATTGTACCAGCAATACACAAAGAAATTTCTTTTGT 1379
DB 1261 CAGAAAATGGCAGTCACTTCCAGATTGTACCAGCAATACACAAAGAAATTTCTTTTGT 1320
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DB 1381 ATGCGGTTTCCCAACAGGATGTCACTTGTATCAGAAATCTCAATCTCAATGCTTATA 1440
QY 1500 AGCAATCTCTCTGTGTCATTAAGACTCTGATTAATTTGTCTCCCTCCATAGGAATTTCT 1559
DB 1441 AGCAATCTCTCTGTGTCATTAAGACTCTGATTAATTTGTCTCCCTCCATAGGAATTTCT 1500
QY 1560 CCGAGGAAGAAATATATATCCCATCTCGTTTCTATATCAGAACTACCGTCCCCCATATTC 1619
DB 1501 CCGAGGAAGAAATATATATCCCATCTCGTTTCTATATCAGAACTACCGTCCCCCATATTC 1560
QY 1620 CTTTCAGAGATATAAGAACCCAGAAAAAGTGAAGCTCTTCTCATCTGACCTGTAAATAGTT 1679
DB 1561 CTTTCAGAGATATAAGAACCCAGAAAAAGTGAAGCTCTTCTCATCTGACCTGTAAATAGTT 1620
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Qy 1680 TCAGTTCCTATTTCTTCCATGACCCCATATTTATACCTTTTCAGGTACTGA 1730
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RESULT 5
CR619172 1747 bp mRNA linear HTC 21-JUL-2004
LOCUS full-length cDNA clone CS0D1067YK14 of Placentia Cot 25-normalized
DEFINITION of Homo sapiens (human).
ACCESSION CR619172.1 GI:50499979
VERSION HTC; CDSLT cdna.
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1747)
Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Faraday Avenue
Genoscope.
2 (bases 1 to 1747)
Direct Submission
Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
BP 191 91006 EVRY cedex - FRANCE (E-mail : seqrefgenoscope.cns.fr
- Web : www.genoscope.cns.fr)
COMMENT 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of invitrogen.
FEATURES
Location/Qualifiers
1..1747
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0D1067YK14"
/tissue_type="Placentia Cot 25-normalized"
/plasmid="pCMVSPORT_6"

ORIGIN
Query Match 93.0%; Score 1651.4; DB 3; Length 1747;
Best Local Similarity 97.5%; Pred. No. 0;
Matches 1704; Conservative 0; Mismatches 1; Indels 42; Gaps 1;

Qy 30 ATCCGACCACATTTTCACTCTCACCGCTGTAGGAATCCAGATCGAGGCCAAGTACAGCAGC 89
|||||
Db 1 ATCCGACCACATTTTCACTCTCACCGCTGTAGGAATCCAGATCGAGGCCAAGTACAGCAGC 60
|||||

Qy 90 ACGAGGACATGCTGGATGATGATGGGACACCAACCATGAGCTGCATTTCAAGCCTCT 149
|||||
Db 61 ACGAGGACATGCTGGATGATGATGGGACACCAACCATGAGCTGCATTTCAAGCCTCT 120
|||||

Qy 150 GCCCAACTCGGCATCCAGACCCCGCGCACAGACACAGGCTCCCTCTTCAACGTGG 209
|||||
Db 121 GCCCAACTCGGCATCCAGACCCCGCGCACAGACACAGGCTCCCTCTTCAACGTGG 180
|||||

Qy 210 CGACCAGTGGCCCTGACCTGCTGACTTGTGCTTGGTGGCTGCTATAGGCGTGGCAGCC 269
|||||
Db 181 CGACCAGTGGCCCTGACCTGCTGACTTGTGCTTGGTGGCTGCTATAGGCGTGGCAGCC 240
|||||

Qy 270 CTGGGGCTTTTGT-----TTTTT 287
|||||
Db 241 CTGGGGCTTTTGTGTAAGTCTCGCTCTGACCTGGGGGAGGATCCTGGTTCCAAAGTTTTT 300
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Qy 288 CAGTACTACAGCTCTCCAACTACGCTCAAGACACCATTTCTCAATGGAAGAGATTA 347
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Db 301 CAGTACTACAGCTCTCCAACTACGCTCAAGACACCATTTCTCAATGGAAGAGATTA 360
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Qy 408 CTGAGCATGTGGCTGAAAAACTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGG 467
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Db 421 CTGAGCATGTGGCTGAAAAACTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGG 480
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Qy 468 TGCAGCCCTCTGACAGAAACAATGGAATGGCATGGAGACAATTTGCTACAGTTCTATAAA 527
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Db 481 TGCAGCCCTCTGACAGAAACAATGGAATGGCATGGAGACAATTTGCTACAGTTCTATAAA 540
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Qy 648 TACTCTTATTGGACAGGGCTTTTTCGCCCTGACAGTGGCAAGGGCTGCTGTGGATGAT 707
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Db 661 TACTCTTATTGGACAGGGCTTTTTCGCCCTGACAGTGGCAAGGGCTGCTGTGGATGAT 720
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Qy 708 GGAACCCCTTTTCACTCTCTGAACTGTTCCATATATATATAGATGTACACAGCCCAAGAAC 767
|||||
Db 721 GGAACCCCTTTTCACTCTCTGAACTGTTCCATATATATATAGATGTACACAGCCCAAGAAC 780
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Qy 768 AGAGACTGTGGCCATCTTAAATGGGATGATCTTCAAAAGGCTGCAAGAAATTGAAG 827
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Db 781 AGAGACTGTGGCCATCTTAAATGGGATGATCTTCAAAAGGCTGCAAGAAATTGAAG 840
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Db 841 CGTTGTGCTCTGAGAGAAGGGCAGGAATGTAAGCCAGAGAGCTCCATGTCCCCCT 900
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Qy 888 GAAACATTTAGCGAAGGTGACTGATTCGCCCTCTGCAACTCAAAATAGCAGATGAGCCA 947
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Db 901 GAAACATTTAGCGAAGGTGACTGATTCGCCCTCTGCAACTCAAAATAGCAGATGAGCCA 960
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Qy 948 GGCGGTGCCAAAGCAAGGGCTAGTTGAGACATTTGGGAATGGAACATATCAGGAAGAC 1007
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Db 1021 TATCTCTGACTAGTACAAAATGGGTTCTCGTGTCTTCTGCTTCCAGGATCACAGCATTT 1080
|||||

Qy 1068 CTGAGCTTTGGTTTATGCA CGTATTTTAA CAGTCA CAAGAA GTCTTTA TTTA CATGCCACA 1127
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Db 1081 CTGAGCTTTGGTTTATGCA CGTATTTTAA CAGTCA CAAGAA GTCTTTA TTTA CATGCCACA 1140
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Qy 1128 ACCAACCTCAGAAACCCATATATGTCATGCTTCTTGGCTTTAGAGATAA CTTTGTAGCTC 1187
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Db 1141 ACCAACCTCAGAAACCCATATATGTCATGCTTCTTGGCTTTAGAGATAA CTTTGTAGCTC 1200
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Qy 1188 TCTTTCTTCTCAATGTCTTAATATCACTCCCTGTTTTCATGTCTTCTTACACTTGGTGG 1247
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Qy 1248 AATAAGAACTTTTGAAGTAGAGAAATA CATTGAGGTAA CATTCTTTTCTCTGACAGT 1307
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Qy 1308 CAAGTAGTCCATCAGAAATTTGGCAGTCACTTCCAGGATTTGACGAGAAATACACAAGGA 1367
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Qy 1428 TCTGCTTGTCTCATGCGCGTTTCCCAACAGGGATGTCACTTGTATGAGAAATCTCAATCT 1487
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1441 TCTGCTTGTCCATGCGGTTCCCAACAGGATGTCACCTGATATGAGAAATCTCAAAATCT 1500
1488 CAATGCTTTATAGCAATCTCTTCTGTGTCCATTAGACTCTGATAATTTGTCTCCCTCC 1547
1501 CAATGCTTTATAGCAATCTCTTCTGTGTCCATTAGACTCTGATAATTTGTCTCCCTCC 1560
1548 ATAGGAATTTCTCCAGGAAGAAATATATATCCCATCTCCGTTTCATATCAGAACTACCG 1607
1561 ATAGGAATTTCTCCAGGAAGAAATATATATCCCATCTCCGTTTCATATCAGAACTACCG 1620
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1621 TCCCGCATATCCCTTCAGAGAGATTAAAGACACAGAAAAAGTGAGCCCTCTTCATCTGCA 1680
1668 CTGTAATAGTTTCAAGTTCCTATTTTCTTCCATTTGACCCATATTTATACCTTTTCAGGTAC 1727
1681 CCTGTAATAGTTTCAAGTTCCTATTTTCTTCCATTTGACCCATATTTATACCTTTTCAGGTAC 1740
1728 TGAAGAT 1734
1741 TGAAGAT 1747

RESULT 6
CR598502
LOCUS
DEFINITION
full-length cDNA clone CS0D1044YF02 of Placentia Cot 25-normalized
of Homo sapiens (human).
ACCESSION
CR598502
VERSION
CR598502.1 GI:50479309
KEYWORDS
HTC; CNSLT_cDNA.
SOURCE
Homo sapiens
ORGANISM
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
1 (bases 1 to 1759)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paradise Avenue
Genoscope.
Direct Submission
Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr
- Web : www.genoscope.cns.fr)
COMMENT
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
FEATURES
Location/Qualifiers
source
1..1759
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0D1044YF02"
/tissue_type="Placentia Cot 25-normalized"
/plasmid="pCMVSPORT_6"

ORIGIN
Query Match 87.5%; Score 1554; DB 3; Length 1759;
Best Local Similarity 98.3%; Pred. No. 0;
Matches 1561; Conservative 0; Mismatches 25; Indels 2; Gaps 1;
124 CCATGAGCTGATTTCTCAAGCTCTGCGACAACTCGGCATCCAGAGCCCGGCG--CAC 181
152 CTTTGACCTCCCTGGCTCAAGCAATCTCCACCTCAGCCTTCTGAGTAGTGGCACTAC 211
182 AGAGCACAGGGTCCCTCTTCAACGTGGGACAGTGGCCCTGACCCCTGCTGACTTTGTG 241

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212 AGAGCACAGGGTCCCTCTTCAACGTGGGACAGTGGCCCTGACCCCTGCTGACTTTGTG 271
242 CTTGTGTGCTGTAGTAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACAGCT 301
272 CTTGTGTGCTGTAGTAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACAGCT 331
302 CTCCTAATCTGCTCAAGACACCAATTTCTCAATATGGAAGAAAGATTAGGAAATACGTCCCA 361
332 CTCCTAATCTGCTCAAGACACCAATTTCTCAATATGGAAGAAAGATTAGGAAATACGTCCCA 391
362 AGAGTTGCAATCTCTTCAAGTCCAGATATTAAGCTTGCAGGAAGTCTCAGCATGTGGC 421
392 AGAGTTGCAATCTCTTCAAGTCCAGATATTAAGCTTGCAGGAAGTCTCAGCATGTGGC 451
422 TGAATAAATCTCTGCTGAGCTGTATATAAATAAGCTGGAGCACACAGGTGACGCCCTTTGTAC 481
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872 GAGAAGGCGAGAAATGGTGAAGCCAGAGAGCTCCATGTCCCTCTGAAACAATTAGGCGA 931
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932 AGGTGACTGATTTGCGCCCTCTGCAACTACAAATAGCAGAGTGGCCAGCGGTGCCAAGC 991
962 AAGGCTAGTTTGAGACATTTGGGAAATGGAACATAATCAGGAAAGACTATCTCTGACTA 1021
992 AAGGCTAGTTTGAGACATTTGGGAAATGGAACATAATCAGGAAAGACTATCTCTGACTA 1051
1022 GTACAAAATGGGTTCTCGTGTTCAGGATCACAGCATTTCTGAGCTTGGGTTT 1081
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1112 ATGACGCTATTTAACAGTCAAGAGTCTTTATTTATGTCACCAACCAACCTCAGAAA 1171
1142 CCCATAATGTCATCTGCGCTTCTTGGCTTAGAGATAAATTTTAGTCTCTTTCTTCTCAAT 1201
1172 CCCATAATGTCATCTGCGCTTCTTGGCTTAGAGATAAATTTTAGTCTCTTTCTTCTCAAT 1231
1202 GTCTAATATACCTCCCTGTTTTTCAATGCTTTCTTACACTTGGTGGAAATAAGAACTTTT 1261
1232 GTCTAATATACCTCCCTGTTTTTCAATGCTTTCTTACACTTGGTGGAAATAAGAACTTTT 1291
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Db 1292 TGAAGTAGAGAAATACATTGAGGTAAACATCTTTTCTCTGACAGTCAAGTAGTCCATCA 1351
Qy 1322 GAAATTGGCAGTCACTTCCAGATGTACACAGAAATACACAGAAATCTTTTGTGTG 1381
Db 1352 GAAATTGGCAGTCACTTCCAGATGTACACAGAAATACACAGAAATCTTTTGTGTG 1411
Qy 1382 TTTCAGTTTCATAGTCCCTTCCAAATCCATTCATAGTAAAGACCCCATCTGCTGTGCCAT 1441
Db 1412 TTTCAGTTTCATAGTCCCTTCCAAATCCATTCATAGTAAAGACCCCATCTGCTGTGCCAT 1471
Qy 1442 GCGTTTCCCAACAGGGATGTCATTGATATGAGATCTCAAAATCTCAATGCCATTATAAG 1501
Db 1472 GCGTTTCCCAACAGGGATGTCATTGATATGAGATCTCAAAATCTCAATGCCATTATAAG 1531
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Qy 1562 CAGGAAAGAAATATATCCCATCTCCGTTTCATATCAGAACTACCGTCCCGATATCC 1621
Db 1592 CAGGAAAGAAATATATCCCATCTCCGTTTCATATCAGAACTACCGTCCCGATATCC 1651
Qy 1622 TTCAGAGATTAAGACAGAGAAAGTGAAGCTTTCATCTGACCTGTAAAGTTTC 1681
Db 1652 TTCAGAGATTAAGACAGAGAAAGTGAAGCTTTCATCTGACCTGTAAAGTTTC 1711
Qy 1682 AGTTCCTATTTCTTCCATTCAGCCCATATTTATATCTTTTTCAGGTACTG 1729
Db 1712 AGTTCCTATTTCTTCCATTCAGCCCATATTTATATCTTTTTCAGGTACTG 1759

RESULT 7

BX379905

LOCUS

DEFINITION BX379905 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CSOD1041YA14 5-PRIME, mRNA sequence.

ACCESSION

VERSION BX379905.2

KEYWORDS

SOURCE

ORGANISM

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1045)

Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

Full-length cDNA libraries and normalization

Unpublished (2001)

On May 8, 2003 this sequence version replaced gi:30439428.

Contact: Genoscope

Genoscope - Centre National de Sequencage

2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE

Email: seqref@genoscope.cns.fr, Web: www.genoscope.cns.fr

1st strand cDNA was primed with a NotI-oligo (dT) primer. Five prime

end enriched, double-strand cDNA was digested with Not I and cloned

into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library

was normalized. Library was constructed by Life Technologies, a

division of Invitrogen. This sequence belongs to sequence cluster

6541.r

For more information about this cluster, see

http://www.genoscope.cns.fr/cdna?c=CSOD1041BA07QPI&c=6541.r.

Location/Qualifiers

1..1045

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="caxon:9606"

/clone="CSOD1041YA14"

/tissue_type="PLACENTA COT 25-NORMALIZED"

/note="1st strand cDNA was primed with a NotI-oligo (dT)

primer. Five prime end enriched, double-strand cDNA was

digested with Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

sites of the pCMVSPORT 6 vector. Library was normalized."

sites of the pCMVSPORT 6 vector. Library was normalized."

sites of the pCMVSPORT 6 vector. Library was normalized."

sites of the pCMVSPORT 6 vector. Library was normalized."

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sites of the pCMVSPORT 6 vector. Library was normalized."

sites of the pCMVSPORT 6 vector. Library was normalized."

Query Match 57.9%; Score 1027.6; DB 5; Length 1045;
Best Local Similarity 98.9%; Pred. No. 4.4e-274;
Matches 1034; Conservative 10; Mismatches 1; Indels 1; Gaps 1;
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Db 1 GGGCAATCCGACACATTTTCACTCTCACCGCTGTAGGAATCCAGATGAGGCCCAAGTACA 60
Qy 85 GCAGCAGGAGGACATGCTGGATGATGATGGGACACCACCATGAGCCTGCAATCTTCAAG 144
Db 61 GCAGCAGGAGGACATGCTGGATGATGATGGGACACCACCATGAGCCTGCAATCTTCAAG 120
Qy 145 CCTCTGCCACAATCGGCATCCAGAGCCCCGGCGCACAGACACAGGGCTCCCTCTTCAA 204
Db 121 GCTCTGCCACAATCGGCATCCAGAGCCCCGGCGCACAGACACAGGGCTCCCTCTTCAA 180
Qy 205 CGTGGCAGCAGTGGCCCTGACCCCTGCTGACTTTGTGCTGGTGGTGGTGGTGGTGGTGG 264
Db 181 CGTGGCAGCAGTGGCCCTGACCCCTGCTGACTTTGTGCTGGTGGTGGTGGTGGTGG 240
Qy 265 CAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACAGCTCTCCAATCTGCTCAAGACACA 324
Db 241 CAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACAGCTCTCCAATCTGCTCAAGACACA 300
Qy 325 TTTCTCAAAATGGAAGAAATAGGAATACGTCCCAAGAGTTGCAATCTCTTCAAGTCC 384
Db 301 TTTCTCAAAATGGAAGAAATAGGAATACGTCCCAAGAGTTGCAATCTCTTCAAGTCC 360
Qy 385 AGAATATAAGCTTGCAGGAAGTCTGACGATGTGGTGTGGAAGAACTCTGCTGAGCTGT 444
Db 361 AGAATATAAGCTTGCAGGAAGTCTGACGATGTGGTGTGGAAGAACTCTGCTGAGCTGT 420
Qy 445 ATAACAAGCTGGAGCACACAGGTGCGCCCTGTGACAGAACTGGAAGAAATGGCATGGAG 504
Db 421 ATAACAAGCTGGAGCACACAGGTGCGCCCTGTGACAGAACTGGAAGAAATGGCATGGAG 480
Qy 505 ACAATTGCTACAGTTCTATTAAGACAGCAAAAGTTGGAGGAGCTGTAAATATTTCTGCC 564
Db 481 ACAATTGCTACAGTTCTATTAAGACAGCAAAAGTTGGAGGAGCTGTAAATATTTCTGCC 540
Qy 565 TTAGTGAATCTTACCATGCTGAAGATAAACAACAAGAGACCTGAATTTGCCCGT 624
Db 541 TTAGTGAATCTTACCATGCTGAAGATAAACAACAAGAGACCTGAATTTGCCCGT 600
Qy 625 CTCAGAGCTACTCTGAGTTTTTCTTACTTATTTGACAGAGGCTTTTGGCCCTGACAGTG 684
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Qy 685 GCAAGGCTGGCTGTGATGGATGGAACCCCTTTTCACTTCTGAACCTGTTCCATATTATAA 744
Db 661 GCAAGGCTGGCTGTGATGGATGGAACCCCTTTTCACTTCTGAACCTGTTCCATATTATAA 720
Qy 745 TAGATGTACAGCCCAAGAGAGAGACTGTGTGGCCATCTTATGGGATGATCTTCT 804
Db 721 TAGATGTACAGCCCAAGAGAGAGACTGTGTGGCCATCTTATGGGATGATCTTCT 780
Qy 805 CAAAGGCTGCAAGAAATTTGAAGCGTTGTGCTGTGAGAGAGGCGAGAAATGGTGAAGC 864
Db 781 CAAAGGCTGCAAGAAATTTGAAGCGTTGTGCTGTGAGAGAGGCGAGAAATGGTGAAGC 840
Qy 865 CAGAGAGCTCCATGTCCCCCTCTGAAAATATTAGGCGAAGGTGACTGATTTCGCCCTCTGCA 924
Db 841 CAGAGAGCTCCATGTCCCCCTCTGAAAATATTAGGCGAAGGTGACTGATTTCGCCCTCTGCA 900
Qy 925 ACTCAAAATACAGAGTGAAGCCGCGTGCAGAGGCGCTGATTTGAGACATTTGGA 984
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Qy 985 AATGGAACATTAATCAGGAAGACATCTCTCTGACTAGTACAAAATGGTGTCTCTGTTT 1044
Db 961 AATGGAACATTAATCAGGAAGACATCTCTCTGACTAGTACAAAATGGTGTCTCTGTTT 1020

ORIGIN

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QY 1045 CCGTTCAGGATCACCAGCATTTCTG 1070
Db 1021 CCGTTCAGGAT-MCCAGCATTTCTG 1045

RESULT 8
CR604680
LOCUS 1003 bp mRNA linear HTC 21-JUL-2004
DEFINITION full-length cDNA clone CS0D1081YG24 of Placenta Cot 25-normalized
ACCESSION CR604680
VERSION HTG; CNSLT cDNA.
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (bases 1 to 1003)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
Paraday Avenue
2 (bases 1 to 1003)
Genoscope.
Direct Submission
Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr
- Web : www.genoscope.cns.fr)
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen.
FEATURES
Location/Qualifiers
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/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0D1081YG24"
/tissue_type="placenta Cot 25-normalized"
/plasmid="pCMVSPORT_6"

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Query Match 56.4%; Score 1001.4; DB 3; Length 1003;
Best Local Similarity 99.9%; Pred. No. 8.5e-267;
Matches 1002; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 13 CCCGGCGCCAGGCGCAATCCGACCACATTTCACTCTCACCGCTGTAGGAATCCAGATGC 72
Db 1 CCCGGCGCCAGGCGCAATCCGACCACATTTCACTCTCACCGCTGTAGGAATCCAGATGC 60

QY 73 AGGCCAAGTACAGCAGCAGGAGGATGCTGGATGATGATGGGACACACCACATGAGCC 132
Db 61 AGGCCAAGTACAGCAGCAGGAGGATGCTGGATGATGATGGGACACACCACATGAGCC 120

QY 133 TGCATTCTCAAGCTCTGCCAATCTGGGCATCCAGAGCCCGCGGCACAGAGCAGGG 192
Db 121 TGCATTCTCAAGCTCTGCCAATCTGGGCATCCAGAGCCCGCGGCACAGAGCAGGG 180

QY 193 CTCCTCTTCAAGTGGGACAGTGGCGCTGACCTGCTGATTTGTGCTTGTGCTGCTGC 252
Db 181 CTCCTCTTCAAGTGGGACAGTGGCGCTGACCTGCTGATTTGTGCTTGTGCTGCTGC 240

QY 253 TGATAGGCTGCGACCCCTGGGGCTTTGTTTTTTCAGTACTACAGCTCTCCAACTG 312
Db 241 TGATAGGCTGCGACCCCTGGGGCTTTGTTTTTTCAGTACTACAGCTCTCCAACTG 300

QY 313 GTCAGACACCACTTTCTCAATGGAGAAAGATTAGGAAATACGTCCTCCAAAGATTGCAAT 372
Db 301 GTCAGACACCACTTTCTCAATGGAGAAAGATTAGGAAATACGTCCTCCAAAGATTGCAAT 360

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For more information about this cluster, see


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QY 797 GATCTTCTCAAGAGCTGCAAGAAATTGAAGCGTTGTGTCTGTGAGAGAGGCGAGGAAT 856
Db 934 GATCTTCTCAAGAGCTGCAAGAAATTGAAGCGTTGTGTCTGTGAGAGAGGCGAGGAAT 875
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Db 874 GGTGAAGCCAGAGAGCTCCATGTCCCTCTGAACAATTAGGCCGAGGTGACTGATTCTG 815
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Db 814 CCTCTGCAACTACAATAGCAGAGTGAGCGGGTGCCAAAGCAAGGGCTAGTTGAG 755
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QY 1036 CTCGGTTTCTGTTTCAGGATCACCAGCAATTTCTGAGCTTGGGTTTATGACGATTATTA 1095
Db 694 CTCGGTTTCTGTTTCAGGATCACCAGCAATTTCTGAGCTTGGGTTTATGACGATTATTA 635
QY 1096 CAGTCACAAGAGTCTTATTTATACATGCCACCAACCAACTCAGAAACCCATAATGTCATC 1155
Db 634 CAGTCACAAGAGTCTTATTTATACATGCCACCAACCAACTCAGAAACCCATAATGTCATC 575
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Db 574 TGCCTTCTTGGCTTAGAGATACTTTTAGTCTCTCTTCTCTCTCAATGCTAATATCACT 515
QY 1216 CCTCTTTTTCATGCTCTCTTACACTTGTGGAATAAGAACTTTTGAAGTAGAGGAAA 1275
Db 514 CCTCTTTTTCATGCTCTCTTACACTTGTGGAATAAGAACTTTTGAAGTAGAGGAAA 455
QY 1276 TACATTGAGGTAACTCTTTTCTCTGACAGTCAAGTAGTCCATCAGAAATGGCAGTCA 1335
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Db 394 TTCCCCAGATTGTAACAGAAATACAAAGGAATCTTTTGTGTTTGTTCAGTTCAATCT 335
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Db 334 AGTCCCTTCCCAATCAGTAAGAACCCCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 275
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Db 274 GGGATGTCATCTGATAGAGATCTCAATCTCAATGCTTATAAGCAATCTCTCTCTGTG 215
QY 1516 TCATTAAAGACTCTGATAATGCTCTCCCTCCCATAGGAATTTCTCCAGGAAGAAATAT 1575
Db 214 TCATTAAAGACTCTGATAATTTCTCCCTCCCATAGGAATTTCTCCAGGAAGAAATAT 155
QY 1576 ATCCCATCTCGTTTATATACAGAACTACCGTCCCGGATATTCCTTCAGAGAGATTAA 1635
Db 154 ATCCCATCTCGTTTATATACAGAACTACCGTCCCGGATATTCCTTCAGAGAGATTAA 95
QY 1636 AGACAGAGAAAAGGTGAGCTCTTCACTGACACCTGTAATAGTTTCAGTTCTCTTTCT 1695
Db 94 AGACAGAGAAAAGGTGAGCTCTTCACTGACACCTGTAATAGTTTCAGTTCTCTTTCT 35
QY 1696 TCATTGACCAATATTTATACCTTTTCAGGTACTG 1729
Db 34 TCATTGACCAATATTTNNNTCTTTTCAGGTACTG 1
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RESULT 11
BX339074/c
LOCUS
DEFINITION
BX339074 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CS01067YK14 3-PRIME, mRNA sequence.
ACCESSION
BX339074
VERSION
BX339074.2 GI:46269380
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KEYWORDS:

SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens

REFERENCE

1 (bases 1 to 990)

AUTHORS

L.W.B., Gruber,C., Jessee,J. and Polayes,D.

TITLE

Full-length cDNA libraries and normalization

JOURNAL

Unpublished (2001)

COMMENT

On May 2, 2003 this sequence version replaced gi:30333765.

Contact: Genoscope

Genoscope - Centre National de Sequencage

2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE

Email: seque@genoscope.cns.fr, Web: www.genoscope.cns.fr

1st strand cDNA was primed with a NotI-oligo (dr) primer. Five prime

end enriched, double-strand cDNA was digested with Not I and cloned

into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library

was normalized. Library was constructed by Life Technologies, a

division of Invitrogen. This sequence belongs to sequence cluster

6541.r

For more information about this cluster, see

http://www.genoscope.cns.fr/cdna?e=CS0D1067BF07NP1&c=6541.r.

Location/Qualifiers

1..990

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CS0D1067YK14"

/tissue_type="PLACENTA COT 25-NORMALIZED"

/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"

/note="1st strand cDNA was primed with a NotI-oligo (dr)

primer. Five prime end enriched, double-strand cDNA was

digested with Not I and cloned into the Not I and EcoR V

sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 51.4%; Score 912.4; DB 5; Length 990;

Best Local Similarity 96.2%; Pred. No. 4.9e-24;

Matches 956; Conservative 15; Mismatches 18; Indels 5; Gaps 4;

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990 TTATATATTTTCCRCRCCCGCAGAGCAGAGAY--TTTTGCCAYCCTTAAT-GERGATCT 934

802 TCTCAAGGACTGCAAGAAATTTGAAGCGTTGTGTCTGTGAGAGAGGCGAGGAATGGTGA 861

933 TCTCAAA-GACTGCAAGAAATTTGAAGCGTTGTGTCTGTGAGAGAGGCGAGGAATGGTGA 875

862 AGCCAGAGAGCTTCATGTCCCTCCCTGAAACATTTAGGCGAAGGTGACTGATTCGCCCTCT 921

874 AGCCAGAGAGCTTCATGTCCCTCCCTGAAACATTTAGGCGAAGGTGACTGATTCGCCCTCT 815

922 GCAACTCAATATAGCAGAGTGCAGCGCGGTGCCAAGAGGCGGTAGTTGAGACATTTG 981

814 GCAACTCAATATAGCAGAGTGCAGCGCGGTGCCAAGAGGCGGTAGTTGAGACATTTG 755

982 GGAATGGAACATATCAGAGAAAGACTATCTCTGACTAGTACAAAATGGGTTCTCGTG 1041

754 GGAATGGAACATATCAGAGAAAGACTATCTCTGACTAGTACAAAATGGGTTCTCGTG 695

1042 TTTCTCTTTCAGGATCACCAGATTTCTGAGCTGGGTTTATGACGATTTTAAACAGTCA 1101

694 TTTCTCTTTCAGGATCACCAGATTTCTGAGCTGGGTTTATGACGATTTTAAACAGTCA 635

1102 CAAGAAGTCTTTATTTTACATGCCACCAACCTCAGAAACCCATAATGTCATCTGCTT 1161

634 CAAGAAGTCTTTATTTTACATGCCACCAACCTCAGAAACCCATAATGTCATCTGCTT 575

1162 CTTGGCTTAGAGATAAATCTTTTAGTCTCTCTTCTCTCAATGCTTAAATACCTCCCTGT 1221

574 CTTGGCTTAGAGATAAATCTTTTAGTCTCTCTTCTCTCAATGCTTAAATACCTCCCTGT 515

1222 TTTCAATGCTCTCTTACACTTTGGTGGAAATAAGAACTTTTTTGAAGTAGAGGAATACATT 1281

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Db 514 TTTTCATGCTCTCCCTTACCACTGGTGAATAAGAAACTTTTCAAGTAGAGAAATACATT 455
Qy 1282 GAGGTAAACATCCTTTCTCTGACAGTCAAGTAGTCCATCAGAAATGCGAGTCACTTCCC 1341
Db 454 GAGGTAAACATCCTTTCTCTGACAGTCAAGTAGTCCATCAGAAATGCGAGTCACTTCCC 395
Qy 1342 AGATTGTACCAAGCAATACACAAGAAATCTTTTGTGTTTGTTCAGTTTCATCTAGTCCC 1401
Db 394 AGATTGTACCAAGCAATACACAAGAAATCTTTTGTGTTTGTTCAGTTTCATCTAGTCCC 335
Qy 1402 TTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTGTCATCCGTTTCCCAACAGGGATG 1461
Db 334 TTCCCAATCCATCAGTAAAGACBCWCCTCTKVTGTCATGCGCTTTCCMACAGGGATG 275
Qy 1462 TCACCTTGATATGAGAAATCTCAAAATCTCAATGCCCTTATAAGCAATCCCTTCTGTCCTCAAT 1521
Db 274 TCACCTTGATATGAGAAATCTCAAAATCTCAATGCCCTTATAAGCAATCCCTTCTGTCCTCAAT 215
Qy 1522 AAGACTCTGATAATGTCTCCCTCCATAGAAATTTCTCCAGGAAAGAAATATATCCCC 1581
Db 214 AAGACTCTGATAATGTCTCCCTCCATAGAAATTTCTCCAGGAAAGAAATATATCCCC 155
Qy 1582 ATCTCGTTTCATATCAGAACTACCGTCCCGATATTCCTTTCAGAGAGATTAAGACCA 1641
Db 154 ATCTCGTTTCATATCAGAACTACCGTCCCGATATTCCTTTCAGAGAGATTAAGACCA 95
Qy 1642 GAAAAAGTAGGAGCTCTCACTGACGCTCACTGAGTAAATAGTTTCAGTTTCCTATTTCTTCCATT 1701
Db 94 GAAAAAGTAGGAGCTCTCACTGACGCTCACTGAGTAAATAGTTTCAGTTTCCTATTTCTTCCATT 35
Qy 1702 GACCATATTT-ATACCTTTTCAGGTACTGAAGAT 1734
Db 34 KACCATATTTNNNTNNAGNTTCTGAAGAT 1
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RESULT 12
BX358356/c
LOCUS
DEFINITION BX358356 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
clone CSOD1036Y20 3-PRIME, mRNA sequence.
ACCESSION BX358356
VERSION
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 5, 2003 this sequence version replaced gi:30368210.
Contact: Genoscope
Genoscope - Centre National de Sequenage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
6541.r
For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?c=CSOD1036Y20&g=6541.r.
Location/Qualifiers
1. .996
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CSOD1036Y20"
/tissue_type="PLACENTA COT 25-NORMALIZED"
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FEATURES
source

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ORIGIN
Query Match 51.4%; Score 912.2; DB 5; Length 996;
Best Local Similarity 96.7%; Pred. No. 5.6e-242;
Matches 961; Conservative 9; Mismatches 19; Indels 5; Gaps 4;
Qy 739 TTATAATAGATGTCAACGACCCCAAGAGACAGAGACTGTGTGGCCATCCTTAATGGGATGA 798
Db 991 WTAWTATAGATGTGCC- GCCCAAGAGACAGAGACTGTGTG- -CCATCTTAATGGATGA 935
Qy 799 TCTTCTCAAGGACTGCAAGAAATTTGAAGCGTGTGCTGTGAGAGAGGCGACGAAATGG 858
Db 934 TCTTCTCAAGACTGCAAGAAATTTGAAGCGTGTGCTGTGAGAGAGGCGACGAAATGG 875
Qy 859 TGAAGCCAGAGAGCTTCCATGT- CCCCCCTGAAACATTTAGCGCAAGGTGACTGATTCGCC 917
Db 874 TGAAGCCAGAGAGCTTCCATGTCCCTCCCTGAAACATTTAGCGCAAGGTGACTGATTCGCC 815
Qy 918 CTCTGCAACTACAATAGCAGAGTAGCCAGCGGTGCAAGCAAGGGCTAGTTGAGAC 977
Db 814 CTCTGCAACTACAATAGCAGAGTAGCCAGCGGTGCAAGCAAGGGCTAGTTGAGAC 755
Qy 978 ATTGGGAAATGGAACATAATCAGGAAAGACTATCTCTGACTAGTACAAATGGGTTCT 1037
Db 754 ATTGGGAAATGGAACATAATCAGGAAAGACTATCTCTGACTAGTACAAATGGGTTCT 695
Qy 1038 CGTGTCTTCTGTTTCCAGGATCAACGAGCTTTCTGAGCTTTGGGTTTATGCACTATTTAACA 1097
Db 694 CGTGTCTTCTGTTTCCAGGATCAACGAGCTTTCTGAGCTTTGGGTTTATGCACTATTTAACA 635
Qy 1098 GTCAAGAGAGCTTTATTTACATGCCCAACCAACCTCAGAAACCCATTAATGTCATCTG 1157
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Qy 1158 CCTTCTTGGCTTACAGATAACTTTTAGCTCTCTTTCTTCAATGTCTAAATACACCTCC 1217
Db 574 CCTTCTTGGCTTACAGATAACTTTTAGCTCTCTTTCTTCAATGTCTAAATACACCTCC 515
Qy 1218 CTGTTTTTCATGCTTTCCTTACACTTGTGTGGAATTAAGAAACTTTTGAAGTAGAGGAAATA 1277
Db 514 CBGTTTTTCATGCTTSCCTTACACTTGTGTGGAATTAAGAAACTTTTGAAGTAGAGGAAATA 455
Qy 1278 CATTGAGGTAACTCTCTTTCTGACAGTCAAGTAGTCCATCAGAAATTTGGCAGTCACT 1337
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Qy 1338 TCCAGAGTTGTACCAAGCAATACACAGGAATCTTTTGTGTTTGTTCAGTTTCATCTAG 1397
Db 394 TCCAGAGTTGTACCAAGCAATACACAGGAATCTTTTGTGTTTGTTCAGTTTCATCTAG 335
Qy 1398 TCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCATGCGGTTTCCCAACAGG 1457
Db 334 TCCCTTCCCAATCCATCAGTAAAGACCCCATCTGCTTGTCCATGCGGTTTBYVAAACAGG 275
Qy 1458 GATGTCACTTGATAGAAATCTCAATCTCAATGCGTTCATTAAGCATTCCTTCTGTGTC 1517
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Qy 1518 CATTAAAGACTCTGATAATTTGTCCTCCCTCCATAGGAATTTCTCCAGGAAAGAAATATAT 1577
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Qy 1578 CCCCATCTCCGTTTTCATATCAGAACTACCGTCCCGCATATTTCCCTTCAGAGAGATTAAG 1637
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Qy 1638 ACCAGAAAAAGTAGGAGCTCTTCACTGTGCACCTGTAAATAGTTTCAGTTTCCTTCTTC 1697
Db 94 ACCAGAAAAAGTAGGAGCTCTTCACTGTGCACCTGTAAATAGTTTCAGTTTCCTTCTTC
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/note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

Email: segre@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 6541.r

For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?e=CS0BAI029ZA09_CS02753_1&c=6541.r

FEATURES

source

Location/Qualifiers
1. .914
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DI081Y24"
/tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 48.7%; Score 865.4; DB 5; Length 914;
Best Local Similarity 99.2%; Pred. No. 5.7e-229;
Matches 869; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

QY 97 ACATGCTGGATGATGATGGGACACCCATGAGCTGCATCTCAAGCCCTCTGCACAA 156
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QY 157 CTCGSCATCCAGAGCCCGCGCAGACGACAGGCTCCCTCTCAAGTGGCGACAG 216
DB 854 CTCGSCATCCAGAGCCCGCGCAGACGACAGGCTCCCTCTCAAGTGGCGACAG 795

QY 217 TGGCCCTGACCCCTGCTGATTTTGTCTGTGCTGCTGATAGGGCTGGCAGCCCTGGGGC 276
DB 794 TGGCCCTGACCCCTGCTGATTTTGTCTGTGCTGCTGATAGGGCTGGCAGCCCTGGGGC 735

QY 277 TTTTGTGTTTTTTCAGTACTACAGCTCTCCATATCTGTTCAAGACACCATTTCTCAATGG 336
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QY 337 AAGAAAGATTAGGAATAGCTCCCAAGAGTTGCAATCTCTCAAGTCCAGAAATATAAGC 396
DB 674 AAGAAAGATTAGGAATAGCTCCCAAGAGTTGCAATCTCTCAAGTCCAGAAATATAAGC 615

QY 397 TTGCAGGAAGTCTGCAGCATGTGGCTGAAAACTCTGTCGAGCTGTATACCAAGCTG 456
DB 614 TTGCAGGAAGTCTGCAGCATGTGGCTGAAAACTCTGTCGAGCTGTATACCAAGCTG 555

QY 457 GAGCACAGGTGAGCCCTGTACAGAAATGGAATGGCATGGAGACAAATTCGTACC 516
DB 554 GAGCACAGGTGAGCCCTGTGTACAGAAATGGAATGGCATGGAGACAAATTCGTACC 495

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QY 577 CTACCATCTGAAGATAACAAACAGAGACCTTGAATTTGCGCGCTCTCAGAGCTACT 636
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DB 374 CTGAGTTTTTCTATCTTATTTGAGACAGGCTTTTGGCGCCCTGACAGTGGCAAGGCTGGC 315

QY 697 TGTGATGATGGAAACCCCTTTCACTCTGAAGTGTTCATATATATATAGATGTCACCA 756
DB 314 TGTGATGATGGAAACCCCTTTCACTCTGAAGTGTTCATATATATATAGATGTCACCA 255

QY 757 GCCCAAGAACAGAGACTGTGTGGCCATCTTAATGGGATGATCTTCTCAAGGACTGCA 816

DB 254 GCCCAAGAACAGAGACTGTGTGGCCATCTCTTAATGGGATGATCTTCTCAAGGACTGCA 195

QY 817 AAGAAATTGACGCTGTCTGTGAGAGAGGGGAGGAATGTTGAGCCAGAGAGCTCC 876

DB 194 AAGAAATTGACGCTGTCTGTGAGAGAGGGGAGGAATGTTGAGCCAGAGAGCTCC 135

QY 877 ATGTCCCCCTGAAACATTAGGCGAAGTGACTGATTCGCCCTCTGCAACTACAAATAGC 936

DB 134 ATGTCCCCCTGAAACATTAGGCGAAGTGACTGATTCGCCCTCTGCAACTACAAATAGC 75

QY 937 AGAGTGAGCCAGGCGGTGCCAAAGCAAGGGCTAGTT 972

DB 74 AGAGTGAGCCAGGCGGTGCCAAAGCAAGGGCTAGTT 39

RESULT 15
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DEFINITION BX324788 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA clone CS0DI049YB09 5-PRIME, mRNA sequence.
ACCESSION BX324788
VERSION BX324788.2 GI:46271524
KEYWORDS EST.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE 1. (Bases 1 to 1001)
Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
COMMENT On May 2, 2003 this sequence version replaced gi:30336406.
Contact: Genoscope - Centre National de Sequencage
Genoscope - Centre National de Sequencage
2 rue Gaston Crémieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: segre@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen. This sequence belongs to sequence cluster 6541.r

For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?e=CS0AI049CA05QP1&c=6541.r.

FEATURES
source
1. .1001
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DI049YB09"
/tissue_type="PLACENTA COT 25-NORMALIZED"
/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
/note="1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and EcoR V sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Query Match 48.1%; Score 855; DB 5; Length 1001;
Best Local Similarity 99.4%; Pred. No. 4.6e-226;
Matches 888; Conservative 1; Mismatches 1; Indels 3; Gaps 3;

QY 25 GGGCAATCCGACCATTTCACTCTCACCGCTGTAGGAATCCAGATCAGGCCAGTACA 84

DB 1 GGGCAATCCGACCATTTCACTCTCACCGCTGTAGGAATCCAGATCAGGCCAGTACA 60

QY 85 GCAGCAGAGGACATGCTGGATGATGATGGGACACCACCATGAGCTGCAATCTCAAG 144

DB 61 GCAGCAGAGGACATGCTGGATGATGATGGGACACCACCATGAGCTGCAATCTCAAG 120

QY 145 CCTCTGCCCAAACTCGGGATCCAGAGCCCGCGCAGACAGAGCGCTCCCTCTTCAA 204

Db 121 GCTCTGCCACAACTCGGCATCCAGAGCCCGGCGCACAGACAGAGGCTCCCTCTCTCAA 180
QY 205 CGTGGGACCACTGCGCCCTGACCCCTGCTGACTTTGTGCTTGTGCTGCTGATAGGGCTGG 264
Db 181 CGTGGCGACCACTGCGCCCTGACCCCTGCTGACTTTGTGCTTGTGCTGCTGATAGGGCTGG 240
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Db 301 TTTCTCAAATGGAAGAAATAGGAAATACCTCCAGAGTTGCAATCTCTTCAAGTCC 360
QY 385 AGAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAACTCTGTCTGTGAGCTGT 444
Db 361 AGAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAACTCTGTCTGTGAGCTGT 420
QY 445 ATAACAAAGCTGGAGCACACAGGTGCAGCCCTTGTACAGAACAAATGGAAATGGCATGGAG 504
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Db 541 TTAGTGAAGAACTCTACCATGCTGAAGATAACAAACAGAGACCTGGAAATTTGCCGGCT 600
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QY 805 CAAAGGACTGCAAGAAATTTGAAGCGTTGTCTGTGAGAGAGGGCAGGAAATGGTGAAGC 864
Db 781 CAAAGGACTGCAAGAAATTTGAAGCGTTGTCTGTGAGAGAGGGCAGGAAATGGTGAAG- 839
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

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Fgapop 6.0 , Fgapext 7.0
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1508	100.0	1841	AAK65072	Aax65072 Membrane-
5	1508	100.0	1841	AAK91561	Aac91561 Human PRO

RESULT 1
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ID AAK94474 standard; cDNA; 1756 BP.
AC AAK94474;
XX
XX
XX 06-NOV-2001 (first entry)
XX Human full-length cDNA, SEQ ID NO: 3296.
XX Human full-length cDNA; cDNA synthesis; oligo-capping; ss.
XX Homo sapiens.
XX OS
XX EP1130094-A2.
XX
XX 05-SEP-2001.
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XX 07-JUL-2000; 2000EP-00114089.
XX
XX 08-JUL-1999; 99JP-00194486.
XX 11-JAN-2000; 2000JP-00118774.
XX 02-MAY-2000; 2000JP-00183765.
XX (HELI-) HELIX RES INST.
XX
XX Ota T, Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;
XX Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;

ALIGNMENTS

DR WPI; 2001-524255/58.
 XX P-PSDB; AAM93544.
 PT 830 Primers useful for synthesizing full length cDNA clones and their use
 PT in genetic manipulation.

XX Claim 8; SEQ ID NO 3296; 1380pp + Sequence Listing; English.

XX The invention relates to primers for synthesizing full length cDNA
 CC clones. 830 cDNA molecules encoding a human protein have been isolated
 CC and nucleotide sequences of 5'- and 3'-ends of the cDNA molecules have
 CC been determined. Primers for synthesizing the full length cDNA are useful
 CC for clarifying the function of the protein encoded by the cDNA. The full
 CC length clones were obtained by construction of full length enriched cDNA
 CC libraries that were synthesised by the oligo-capping method. The primers
 CC enable the production of the full length cDNA easily without any special
 CC methods. The present sequence is a full length human cDNA of the
 CC invention. Note: The sequence data for this patent did not form part of
 CC the printed specification, but was obtained in CD-ROM format directly
 CC from EPO

SQ Sequence 1756 BP; 490 A; 427 C; 369 G; 470 T; 0 U; 0 Other;

Alignment Scores:

Pred. No.: 3.09e-147 Length: 1756
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 4 Gaps: 0

US-10-689-742-160 (1-280) x AAK94474 (1-1756)

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 Qy 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
 Db 124 AGCTGTCATCTCAAGCCTCTGCCACAACCTCGGCATCCAGAGCCCGGCGACAGAGCAC 183
 Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuVal 60
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 Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 Db 424 CTCTGTCTGTAGCTGTATTAACAAAGCTGGAGCACACAGGTGAGCCCTTGTACAGAACAA 483
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 Qy 161 CysLysTyrPheCysLeuSerGlnAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
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RESULT 2

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 ID ADL31263 standard; cDNA; 1756 BP.

XX ADL31263;

XX AC ADL31263;

XX DT 20-MAY-2004 (first entry)

XX DE Full length human cDNA clone SeqID 3296.

XX KW human; medicine; signal transduction; glycoprotein; transcription;

XX KW oligo-capping method; ss; gene.

XX OS Homo sapiens.

XX FN EPI396543-A2.

XX PD 10-MAR-2004.

XX PF 07-JUL-2000; 2003EP-00025638.

XX PR 08-JUL-1999; 99JP-00194486.

XX PR 11-JAN-2000; 2000JP-00118774.

XX PR 02-MAY-2000; 2000JP-00183865.

XX PR 07-JUL-2000; 2000EP-00114089.

XX PA (REAS-) RES ASSOC BIOTECHNOLOGY.

XX PI Ota T. Nishikawa T, Isogai T, Hayashi K, Ishii S, Kawai Y;

XX PI Wakamatsu A, Sugiyama T, Nagai K, Kojima S, Otsuki T, Koga H;

XX DR WPI; 2004-204755/20.

XX DR P-PSDB; ADL31264.

XX PT New oligonucleotide primers (830 cDNAs) useful for synthesizing full

XX PT length human cDNAs.

XX FS Example 1; SEQ ID NO 3296; 1340pp; English.

XX CC This invention relates to a novel primers useful for synthesizing full

XX CC length cDNA molecules that encode human proteins. Specifically, it refers

XX CC to secretory or membrane proteins that are potential therapeutic agents/

XX CC target molecules in the field of medicine, and in particular genes

XX CC encoding proteins that are associated with signal transduction,

XX CC glycoproteins and transcription. The present invention describes a method

XX CC for efficiently cloning a full length human cDNA from both the 5' and 3'

XX CC ends using the oligo-capping method. This polynucleotide sequence is a

XX CC full length human cDNA clone of the invention.

SQ Sequence 1756 BP; 490 A; 427 C; 369 G; 470 T; 0 U; 0 Other;

Alignment Scores:

Pred. No.: 3.09e-147 Length: 1756
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0


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Db      369  |||||CAATCTTCAAGTCCAGAAATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAAA 428
Qy      121  LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
Db      429  CTCGTGCTGAGCTGTATAACAAAGCTGGAGCACACAGGTGAGCCCTTGTCACAGAACAA 488
Qy      141  TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
Db      489  TGGAAATGGCATGGAGACAATTGTCTACCACTTCTATAAAGACAGACAAAGTTGGAGGAC 548
Qy      161  CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
Db      549  TGTAAATATTCTGCTTAGTGAAAACTCTACCATGCTGAAGATAAAACAAACAAGAGAC 608
Qy      181  LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
Db      609  CTGGAATTGGCGGTCTCAGAGCTACTCTGAGTTTTCTACTCTTTATTGACAGGGCTT 668
Qy      201  LeuArgProAspSerGlyLeuAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
Db      669  TTGGCCCTGCAGTGGCAAGSCCTGGCTGTGGATGGATGGAAACCCCTTTCACCTCTGAA 728
Qy      221  LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
Db      729  CTGTTCCATATTATAATAGATGTCACCAAGCCCAAGACAGACAGACTGTGTGGCCATCCTT 788
Qy      241  AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
Db      789  AATGGATGATCTTCTCAAGAGCTGCAAGAAATTGAAGCGTTGTCTGTGAGAGAGG 848
Qy      261  AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
Db      849  GCAGGAATGGTGAAGCCAGAGAGCTCCATGTCCCCCTGAAACATAGGCGAAGGTGAC 908

RESULT 4
AAZ65072
ID      AAZ65072 standard; cDNA; 1841 BP.
XX      XX
AC      AAZ65072;
XX      XX
XX      05-APR-2000 (first entry)
XX      XX
DE      Membrane-bound protein PRO1131 encoding cDNA.
XX      XX
KW      Membrane-bound polypeptide; PRO polypeptide; LDL receptor; TIE ligand;
KW      pharmaceutical; receptor immunoadhesin; gene mapping; ss.
XX      XX
OS      Homo sapiens.
XX      XX
PN      WO9963088-A2.
XX      XX
PD      09-DEC-1999.
XX      XX
XX      02-JUN-1999; 99WO-US012252.
XX      XX
PR      02-JUN-1998; 98US-0087607P.
PR      02-JUN-1998; 98US-0087609P.
PR      02-JUN-1998; 98US-0087759P.
PR      03-JUN-1998; 98US-0087827P.
PR      04-JUN-1998; 98US-0088021P.
PR      04-JUN-1998; 98US-0088025P.
PR      04-JUN-1998; 98US-0088028P.
PR      04-JUN-1998; 98US-0088029P.
PR      04-JUN-1998; 98US-0088030P.
PR      04-JUN-1998; 98US-0088033P.
PR      04-JUN-1998; 98US-0088326P.
PR      05-JUN-1998; 98US-0088167P.
PR      05-JUN-1998; 98US-0088202P.
PR      05-JUN-1998; 98US-0088212P.
PR      05-JUN-1998; 98US-0088217P.
PR      09-JUN-1998; 98US-0088655P.
PR      10-JUN-1998; 98US-0088722P.
PR      10-JUN-1998; 98US-0088730P.
PR      10-JUN-1998; 98US-0088734P.
PR      10-JUN-1998; 98US-0088740P.
PR      10-JUN-1998; 98US-0088741P.
PR      10-JUN-1998; 98US-0088742P.
PR      10-JUN-1998; 98US-0088810P.
PR      10-JUN-1998; 98US-0088811P.
PR      10-JUN-1998; 98US-0088824P.
PR      10-JUN-1998; 98US-0088825P.
PR      10-JUN-1998; 98US-0088826P.
PR      11-JUN-1998; 98US-0088858P.
PR      11-JUN-1998; 98US-0088861P.
PR      11-JUN-1998; 98US-0088863P.
PR      11-JUN-1998; 98US-0088876P.
PR      12-JUN-1998; 98US-0089090P.
PR      12-JUN-1998; 98US-0089105P.
PR      16-JUN-1998; 98US-0089440P.
PR      16-JUN-1998; 98US-0089512P.
PR      16-JUN-1998; 98US-0089514P.
PR      17-JUN-1998; 98US-0089532P.
PR      17-JUN-1998; 98US-0089538P.
PR      17-JUN-1998; 98US-0089598P.
PR      17-JUN-1998; 98US-0089599P.
PR      17-JUN-1998; 98US-0089600P.
PR      17-JUN-1998; 98US-0089653P.
PR      18-JUN-1998; 98US-0089801P.
PR      18-JUN-1998; 98US-0089907P.
PR      18-JUN-1998; 98US-0089908P.
PR      19-JUN-1998; 98US-0089947P.
PR      19-JUN-1998; 98US-0089948P.
PR      19-JUN-1998; 98US-0089952P.
PR      22-JUN-1998; 98US-0090246P.
PR      22-JUN-1998; 98US-0090252P.
PR      22-JUN-1998; 98US-0090254P.
PR      23-JUN-1998; 98US-0090349P.
PR      23-JUN-1998; 98US-0090355P.
PR      24-JUN-1998; 98US-0090429P.
PR      24-JUN-1998; 98US-0090431P.
PR      24-JUN-1998; 98US-0090435P.
PR      24-JUN-1998; 98US-0090444P.
PR      24-JUN-1998; 98US-0090445P.
PR      24-JUN-1998; 98US-0090461P.
PR      24-JUN-1998; 98US-0090472P.
PR      24-JUN-1998; 98US-0090535P.
PR      24-JUN-1998; 98US-0090538P.
PR      24-JUN-1998; 98US-0090540P.
PR      24-JUN-1998; 98US-0090557P.
PR      25-JUN-1998; 98US-0090676P.
PR      25-JUN-1998; 98US-0090678P.
PR      25-JUN-1998; 98US-0090688P.
PR      25-JUN-1998; 98US-0090690P.
PR      25-JUN-1998; 98US-0090691P.
PR      25-JUN-1998; 98US-0090694P.
PR      25-JUN-1998; 98US-0090695P.
PR      26-JUN-1998; 98US-0090696P.
PR      26-JUN-1998; 98US-0090862P.
PR      01-JUL-1998; 98US-0090863P.
PR      01-JUL-1998; 98US-0091360P.
PR      02-JUL-1998; 98US-0091478P.
PR      02-JUL-1998; 98US-0091486P.
PR      02-JUL-1998; 98US-0091519P.
PR      02-JUL-1998; 98US-0091544P.
PR      02-JUL-1998; 98US-0091626P.
PR      02-JUL-1998; 98US-0091628P.
PR      02-JUL-1998; 98US-0091633P.
PR      02-JUL-1998; 98US-0091646P.
PR      02-JUL-1998; 98US-0091673P.
PR      07-JUL-1998; 98US-0091978P.
PR      07-JUL-1998; 98US-0091982P.
PR      09-JUL-1998; 98US-0092182P.
PR      10-JUL-1998; 98US-0092472P.
```

PR 20-JUL-1998; 98US-00933339P.
 PR 30-JUL-1998; 98US-0094651P.
 PR 04-AUG-1998; 98US-0095282P.
 PR 04-AUG-1998; 98US-0095285P.
 PR 04-AUG-1998; 98US-0095301P.
 PR 04-AUG-1998; 98US-0095302P.
 PR 04-AUG-1998; 98US-0095318P.
 PR 04-AUG-1998; 98US-0095321P.
 PR 04-AUG-1998; 98US-0095325P.
 PR 10-AUG-1998; 98US-0095916P.
 PR 10-AUG-1998; 98US-0095929P.
 PR 10-AUG-1998; 98US-0096012P.
 PR 11-AUG-1998; 98US-0096143P.
 PR 11-AUG-1998; 98US-0096146P.
 PR 12-AUG-1998; 98US-0096329P.
 PR 17-AUG-1998; 98US-0096757P.
 PR 17-AUG-1998; 98US-0096766P.
 PR 17-AUG-1998; 98US-0096773P.
 PR 17-AUG-1998; 98US-0096791P.
 PR 17-AUG-1998; 98US-0096867P.
 PR 17-AUG-1998; 98US-0096891P.
 PR 17-AUG-1998; 98US-0096894P.
 PR 17-AUG-1998; 98US-0096895P.
 PR 17-AUG-1998; 98US-0096897P.
 PR 18-AUG-1998; 98US-0096949P.
 PR 18-AUG-1998; 98US-0096950P.
 PR 18-AUG-1998; 98US-0096959P.
 PR 18-AUG-1998; 98US-0096960P.
 PR 18-AUG-1998; 98US-0097022P.
 PR 19-AUG-1998; 98US-0097141P.
 PR 20-AUG-1998; 98US-0097218P.
 PR 24-AUG-1998; 98US-0097661P.
 PR 26-AUG-1998; 98US-0097951P.
 PR 26-AUG-1998; 98US-0097952P.
 PR 26-AUG-1998; 98US-0097954P.
 PR 26-AUG-1998; 98US-0097955P.
 PR 26-AUG-1998; 98US-0097971P.
 PR 26-AUG-1998; 98US-0097974P.
 PR 26-AUG-1998; 98US-0097978P.
 PR 26-AUG-1998; 98US-0097979P.
 PR 26-AUG-1998; 98US-0097986P.
 PR 26-AUG-1998; 98US-0098014P.
 PR 31-AUG-1998; 98US-0098525P.
 PR 16-SEP-1998; 98US-0100634P.
 PR 12-JAN-1999; 99US-0115565P.
 PA (GETH) GENENTECH INC.
 XX
 PI Baker K, Chen J, Goddard A, Gurney AL, Smith V, Watanabe CK;
 PI Wood WI, Yuan J;
 XX
 DR WPI; 2000-072883/06.
 XX P-PSDB; AAY66728.
 XX
 PT Membrane-bound proteins and related nucleotide sequences.
 XX
 PS Claim 2; Fig 229; 822pp; English.
 XX
 CC The invention provides membrane-bound PRO polypeptides and
 CC polynucleotides encoding them. The PRO sequences of the invention were
 CC identified based on extracellular domain homology screening. The PRO
 CC sequences have homology with proteins including LDL receptors, TIE
 CC ligands and various enzymes. The membrane-bound proteins and receptor
 CC molecules are useful as pharmaceutical and diagnostic agents. Receptor
 CC immunoadhesins, for instance, can be used as therapeutic agents to block
 CC receptor-ligand interactions. The membrane-bound proteins can also be
 CC employed for screening of potential peptide or small molecule inhibitors
 CC of the relevant receptor/ligand interaction. The PRO encoding sequences
 CC are useful as hybridization probes, in chromosome and gene mapping and in
 CC the generation of antisense RNA and DNA. PRO nucleic acid sequences will
 CC also be useful for the preparation of PRO polypeptides, especially by
 CC recombinant techniques
 XX

XX SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
 Alignment Scores:
 Pred. No.: 3.3e-147 Length: 1841
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservatives: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 3 Gaps: 0
 DB: --
 US-10-689-742-160 (1-280) x AAZ65072 (1-1841)
 QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
 DB 144 ATGCAGGCCAAGTACAGCAGCAGCAGGACATGCTGGATGATGATGGGACACACCACTG 203
 QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHis 40
 DB 204 AGCCTGCATTCTCAAGCCTCTGCCCACTCCAGAGCCCGCCGACAGAGCAC 263
 QY 41 ArgAlaProSerSerThrTrrArgProValAlaLeuThrLeuLeuThrLeuVal 60
 DB 264 AGGGCTCCCTCTTCAAGTGGGACAGTGGCCCTGACCCCTGCTGACTTTGTGCTGTG 323
 QY 61 LeuLeuLeuGlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn 80
 DB 324 CTGCTGATAGGCTGGCAGCCCTGGGGCTTTGTTTTTTCAGTACTACCACTCTCCAAT 383
 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnLeu 100
 DB 384 ACTGGTCAAGACACCACTTTCTCAATGGAGAAAGATTAGGAATACGTCCTCAAGAGTTG 443
 QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
 DB 444 CAATCTCTTCAAGTCCAGATATATAAGCTTCAGAGAAAGTCTGCAGCATGTGGCTGAAA 503
 QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 DB 504 CTCTGTGTGAGCTGTATACAAAGCTGGAGCACACAGGTGCAGCCCTTGTACAGAACAA 563
 QY 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 DB 564 TGGAAATGGCATGGAGCAATTTGTACAGTTCTATAAAGACAGCAAAAGTTGGAGGAC 623
 QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
 DB 624 TGTAAATATTCTGCCTTAGTGAATACTTACCATGCTGAAGATAAACAACAAAGAGAC 683
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
 DB 684 CTGGAAATTTGCCGCGTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGGCTT 743
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 DB 744 TTGCGCCCTGACAGTGGCAAGGCCCTGGCTGTGGATGGATGGAAACCCCTTTTCACTTCTG 803
 QY 221 LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 DB 804 CTGTTTCATATTATATAGATGTCCACCGCCCAAGAGCAGAGACTGTGTGGCCATCTCTC 863
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 DB 864 AATGGGATGATCTTCTCAAGGACTGCAAGAAATTGAAGCGTTGTGTGTGAGAGAAGG 923
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluAsp 280
 DB 924 GCAGGAATGGTGAAGCCAGAGAGCGCTCCATGTCCCCCTCGAAACATTAGGCGAAGGTGAC 983
 RESULT 5
 AAC91561
 ID AAC91561 standard; cDNA; 1841 BP.
 XX

KW prostate; cervical; tumour necrosis factor-alpha; TNF-alpha; cartilage;
 KW ear; proliferation; glucose; free fatty acid; skeletal muscle; adipocyte;
 KW A-peptide; factor VIIA; gene therapy; ss.

OS Homo sapiens.

XX WO200140466-A2.

XX 07-JUN-2001.

XX 01-DEC-2000; 2000WO-US032678.

XX 01-DEC-1999; 99WO-US028301.

XX 01-DEC-1999; 99WO-US028634.

XX 02-DEC-1999; 99WO-US028551.

XX 02-DEC-1999; 99WO-US028564.

XX 02-DEC-1999; 99WO-US028565.

XX 09-DEC-1999; 99US-0170262P.

XX 16-DEC-1999; 99WO-US030095.

XX 20-DEC-1999; 99WO-US030911.

XX 20-DEC-1999; 99WO-US030999.

XX 30-DEC-1999; 99WO-US031243.

XX 30-DEC-1999; 99WO-US031274.

XX 05-JAN-2000; 2000WO-US000219.

XX 06-JAN-2000; 2000WO-US000277.

XX 06-JAN-2000; 2000WO-US000376.

XX 11-FEB-2000; 2000WO-US003565.

XX 18-FEB-2000; 2000WO-US004341.

XX 18-FEB-2000; 2000WO-US004342.

XX 22-FEB-2000; 2000WO-US004414.

XX 24-FEB-2000; 2000WO-US004914.

XX 24-FEB-2000; 2000WO-US005004.

XX 01-MAR-2000; 2000WO-US005601.

XX 02-MAR-2000; 2000WO-US005841.

XX 03-MAR-2000; 2000US-0187202P.

XX 10-MAR-2000; 2000WO-US006319.

XX 15-MAR-2000; 2000WO-US006884.

XX 20-MAR-2000; 2000WO-US007377.

XX 21-MAR-2000; 2000WO-US007532.

XX 30-MAR-2000; 2000WO-US008439.

XX 17-MAY-2000; 2000WO-US013705.

XX 22-MAY-2000; 2000WO-US014042.

XX 30-MAY-2000; 2000WO-US014941.

XX 02-JUN-2000; 2000WO-US015264.

XX 05-JUN-2000; 2000US-0209832P.

XX 28-JUL-2000; 2000WO-US020710.

XX 11-AUG-2000; 2000WO-US022031.

XX 23-AUG-2000; 2000WO-US023522.

XX 24-AUG-2000; 2000WO-US023328.

XX 08-NOV-2000; 2000WO-US030952.

XX 10-NOV-2000; 2000WO-US030873.

XX (GETH) GENENTECH INC.

XX Baker KP, Beresini M, Deforge L, Desnoyers L, Filvaroff B, Gao W;

XX Gerritsen ME, Goddard A, Godowski PU, Gurney AL, Sherwood S;

XX Smith V, Stewart TA, Tumas D, Watanabe CK, Wood WI, Zhang Z;

XX WPI; 2001-408281/43.

XX P-PSDB; AAU12400.

XX Isolated , secretory and transmembrane PRO polypeptide used to detect

XX other PRO polypeptides, link bioactive molecules to cells expressing PRO

XX polypeptides, and detect the presence of mammalian tumors e.g. lung,

XX breast, prostate, cervical.

XX Claim 3; Fig 457; 813pp; English.

XX AAS21244-AAS21518 encode for novel human secretory and transmembrane PRO

XX polypeptides. The PRO polypeptides are useful to detect other PRO

XX polypeptides, to link bioactive molecules to cells expressing PRO

XX polypeptides, to modulate biological activities of cells expressing PRO

XX polypeptides, and to detect the presence of mammalian lung, colon,

CC breast, prostate, rectal, cervical or liver tumours by comparing PRO

CC polypeptide expression in a cell sample to that in a control sample. Some

CC of the 275 sequences are also useful to stimulate the release of tumour

CC necrosis factor-alpha (TNF-alpha) from human blood, the proliferation or

CC differentiation of chondrocytes, the proliferation or gene expression in

CC pericyte cells, the release of proteoglycans from cartilage, the

CC proliferation of inner ear utricular supporting cells or of T-

CC lymphocytes, the release of a cytokine from peripheral blood monocytes

CC (PBMCs), or the proliferation of endothelial cells. Some of the PRO

CC polypeptides may modulate glucose or free fatty acid uptake by skeletal

CC muscle cells or by adipocytes; or inhibit binding of A-peptide to factor

CC VIIA. The PRO polypeptides can be used in assays to identify molecules

CC involved in binding interactions. The polynucleotides encoding PRO

CC polypeptides can be used to generate probes, antisense RNA/DNA,

CC transgenic or knock out animals and can be used in gene therapy

XX

XX SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

XX

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XX

XX

Db 804 CTGTTCCATATTATATAGATGTCACCGAGCCCAAGAGCAGAGACTGTGTGCCCTCCTC 863
Qy 241 AenGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArg 260
Db 864 AATGGATGAUCTTCTCAAGAGCTGCACAGATTTGAAGCGTTGTCTGTGAGAGAAGG 923
Qy 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
Db 924 GCAGGAATGGTGAAGCCAGAGAGCTCCATGTGTCCTCCCTGAAACATTAGGCGNAGGTGAC 983
RESULT 7
AAS46225
ID AAS46225 standard; cDNA; 1841 BP.
XX AC AAS46225;
XX 18-DEC-2001 (first entry)
DE Human DNA encoding PRO polypeptide sequence #301.
XX PRO polypeptide; mammal; tumour; cancer; human; cattle; horse; sheep; ss;
KW dog; cat; pig; goat; rabbit; tumour necrosis factor alpha; TNF-alpha;
KW blood; chondrocyte cell; cell proliferation; cell differentiation; colon;
KW adrenal; lung; breast; prostate; rectum; cervix; liver; genetic disorder;
KW PCR primer.
XX Homo sapiens.
OS
XX
PN WO200168848-A2.
XX
PD 20-SEP-2001.
XX
PF 28-FEB-2001; 2001WO-US006520.
XX
PR 01-MAR-2000; 2000WO-US005601.
PR 02-MAR-2000; 2000WO-US005841.
PR 03-MAR-2000; 2000US-0187202P.
PR 06-MAR-2000; 2000US-0186968P.
PR 14-MAR-2000; 2000US-0189320P.
PR 14-MAR-2000; 2000US-0189328P.
PR 15-MAR-2000; 2000WO-US006884.
PR 21-MAR-2000; 2000US-0190828P.
PR 21-MAR-2000; 2000US-0191007P.
PR 21-MAR-2000; 2000US-0191048P.
PR 21-MAR-2000; 2000US-0191314P.
PR 28-MAR-2000; 2000US-0192655P.
PR 29-MAR-2000; 2000US-0193032P.
PR 29-MAR-2000; 2000US-0193053P.
PR 30-MAR-2000; 2000WO-US008439.
PR 04-APR-2000; 2000US-0194449P.
PR 04-APR-2000; 2000US-0194647P.
PR 11-APR-2000; 2000US-0195975P.
PR 11-APR-2000; 2000US-0196000P.
PR 11-APR-2000; 2000US-0196187P.
PR 11-APR-2000; 2000US-0196690P.
PR 11-APR-2000; 2000US-0196820P.
PR 18-APR-2000; 2000US-0198121P.
PR 18-APR-2000; 2000US-0198585P.
PR 25-APR-2000; 2000US-0199397P.
PR 25-APR-2000; 2000US-0199550P.
PR 25-APR-2000; 2000US-0199654P.
PR 03-MAY-2000; 2000US-0201516P.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 05-JUN-2000; 2000US-0209832P.
PR 28-JUL-2000; 2000WO-US020710.
PR 22-AUG-2000; 2000US-00644848.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000WO-US034956.
XX (GETH) GENENTECH INC.
XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
XX WPI; 2001-602746/68.
DR P-PSDB; AAU29324.
XX Novel nucleic acids encoding PRO polypeptides, used to diagnose the
PT presence of tumors, such as prostate and breast tumors, in mammals and to
PT screen for modulators of the compounds.
XX PS
XX Claim 2; Fig 601; 774pp; English.
XX Sequences AAS45925-AAS46231 represent DNA molecules encoding and PCR
CC primers for PRO polypeptides of the invention. The sequences of the
CC invention can be used to detect the presence of a tumour in a mammal by
CC comparing the level of expression of a PRO polypeptide in a test sample
CC of cells from the animal and a control sample of normal cells, whereby a
CC higher level of expression in the test sample indicates the presence of a
CC tumour in the mammal. Mammals include dogs, cats, cattle, horses, sheep,
CC pigs, goats and rabbits but are preferably human. The polypeptides can be
CC used to stimulate tumour necrosis factor (TNF) alpha release from human
CC blood, when contacted with it. A specific polypeptide can be used to
CC stimulate the proliferation or differentiation of chondrocyte cells. The
CC PRO proteins can be used to determine the presence of tumours and also
CC susceptibility to tumour development, particularly adrenal, lung, colon,
CC breast, prostate, rectal, cervical, or liver tumours, in mammalian
CC subjects. The oligonucleotide probes specific for the PRO nucleic acids
CC can be used for genetic analysis of individuals with genetic disorders
XX SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

Alignment Scores:

Pred. NO.: 3.3e-147 Length: 1841
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 4 Gaps: 0
US-10-689-742-160 (1-280) x AAS46225 (1-1841)
Qy 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspAspGlyAspThrThrMet 20
Db 144 ATGCAGGCCAAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACACACCAATG 203
Qy 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
Db 204 AGCTGTCATTCTCAAGCCTCTGCCCAACTCGGCATCCAGAGCCCGCGCAGAGGCAC 263
Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
Db 264 AGGGCTCCCTCTTCAACGTGGCGCACCATGTGGCCCTGACCTCTGCTGCTGTGTG 323
Qy 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
Db 324 CTGCTGATAGGCTGGCAGCCCTGGGGCTTTTGTTTTTCACTACTACCACTCTCCANT 383
Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
Db 384 ACTGTCAGACACCACTTTCTCAATGGAGAAAGATTAGGAATACGTCCCAAGAGTTG 443
Qy 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 444 CAATCTCTTCAAGTCCAGAAATATAAGCTTCAGAGAGTCTGCAGCATGTGGCTGAAAAA 503
Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
Db 504 CTCGTGCTGAGCTGTATATAACAAAGCTGGAGCACACAGGTGACGCCCTTGTACAGAACAA 563

```
QY 141 TrpLysTrpHisGlyAspSerCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
DB 564 TCGAAATGGCATGGAGACAATTCACCAAGTTCTATAAAGACAGCAAAAGTTGGAGGAC 623
QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysLeuAsnLysGlnGluAsp 180
DB 624 TGTAAATATTTCTGCTTAGTGAATACTCTACATGCTGAAGATTAACAAACAGAGAC 683
QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTrpTrpThrGlyLeu 200
DB 684 CTGGAATTTGCGCGTCTCAGAGCTACTCTGAGTTTCTACTCTTATTGGACAGGCTT 743
QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
DB 744 TTGCGCCCTCAGCAGTGGCAAGCCCTGGCTGGATGATGGAACCCCTTCTCACTTCTGAA 803
QY 221 LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
DB 804 CTGTTCCATATTATATAGATGTCCAGCCCAAGACAGAGACTGTGTGGCCATCTCTC 863
QY 241 ArgGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
DB 864 AATGGAGTATCTTCTCAAGGACTGCAAAAGAAATTGAAGCGTTGTCTGTGAGAGAGG 923
QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
DB 924 GCAGGAATGGTGAAGCAGAGAGCCTCCATGTCTCCCTCTGAAACATTTAGGCGAAGGTGAC 983
RESULT 8
AAF44218
ID AAF44218 standard; cDNA; 1841 BP.
XX
AC AAF44218;
XX
DT 02-APR-2001 (first entry)
XX
DE Human PRO1131 (UNQ569) nucleotide sequence SEQ ID NO:318.
XX
KW Human; secreted and transmembrane protein; PRO; cytosolic; cell death;
KW cancer; chromosomal mapping; gene mapping; tissue typing;
KW diagnostic assay; ss.
XX
OS Homo sapiens.
XX
PN WO200073454-A1.
XX
PD 07-DEC-2000.
XX
PF 30-MAR-2000; 2000WO-US008439.
XX
PR 02-JUN-1999; 99WO-US012252.
PR 23-JUN-1999; 99US-0141037P.
PR 07-JUL-1999; 99US-0143048P.
PR 20-JUL-1999; 99US-0144758P.
PR 26-JUL-1999; 99US-0145698P.
PR 28-JUL-1999; 99US-0146222P.
PR 17-AUG-1999; 99US-0149396P.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 08-OCT-1999; 99US-0158663P.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 24-FEB-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 15-MAR-2000; 2000WO-US006884.
```

PR 20-MAR-2000; 2000WO-US007377.

(GETH) GENENTECH INC.

XX Ashkenazi AJ, Baker KP, Botstein D, Deenoyers L, Eaton DL;
XX Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
XX Grimaldi CJ, Gurney AL, Kljavin IJ, Napier MA, Pan J, Paoletti NF;
XX Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams FM, Wood WI;
XX Zhang Z;

XX WPI; 2001-032160/04.

XX P-PSDB; AAB65251.

XX PRO polynucleotides used to produce polypeptides used to target bioactive
XX molecules such as toxins, radiolabels or antibodies, to specific cells,
XX to cause targeted cell death.

XX Claim 2; Fig 229; 935pp; English.

XX The present invention describes human secreted and transmembrane PRO
XX proteins. The PRO proteins have cytosolic activity. The PRO proteins can
XX be used for targeted delivery of bioactive molecules, such as toxins,
XX radiolabels or antibodies, that cause cell death. PRO nucleotide
XX sequences, and their fragments, can be used as hybridisation probes, in
XX chromosomal and gene mapping, and in the generation of anti-sense RNA and
XX DNA. They may also be used to produce transgenic animals which are used
XX to develop and screen therapeutically useful reagents. The PRO nucleotide
XX and protein sequence can be used for tissue typing and in treating
XX cancer. Anti-PRO antibodies can be used in diagnostic assays. AAF44270 to
XX AAF44470 represent PCR primers and hybridisation probes used in the
XX isolation of human PRO sequences. AAF44087 to AAF44269 and AAB65154 to
XX AAB65300 represent human PRO polynucleotide and protein sequences given
XX in the exemplification of the present invention

SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

Alignment Scores:

Pred. No.:	3.3e-147	Length:	1841
Score:	1508.00	Matches:	280
Percent Similarity:	100.00%	Conservative:	0
Best-Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	5	Gaps:	0

US-10-689-742-160 (1-280) x AAF44218 (1-1841)

QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20

DB 144 ATGCAGGCCAAGTACAGCAGCAGCAGGAGCATGCTGGATGATGGGACACCCATG 203

QY 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40

DB 204 AGCTTGCATTTCTCAAGCTCTGCCACAACCTCGGCATCCAGAGCCCGGGCGCAGAGCAC 263

QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60

DB 264 AGGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCCCTGCTGACTTTGTGCTGGTG 323

QY 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80

DB 324 CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACACGCTCTCCAAT 383

QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100

DB 384 ACTGGTCAAGACACCATTTCTCAATGGAGAGAAATAGGAATACGTCCTCCAGAGTTG 443

QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValaGluLys 120

DB 444 CAATCTCTTCAAGTCCAGATATAAAGCTTGCAGGAAGTCTGCAGAGTGTGGCTGAAAAA 503

QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140

DB 504 CTCTGCTGAGCTGTATAACAAAGCTGGAGCACAGGTGAGCCCTTTGTACAGAACAA 563

QY 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 DB 564 TGGAAATGGCATGGAGACAATGTCTACCAAGTCTATAAAGACAGCAAAAGTTGGAGGAC 623
 QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
 DB 624 TGTAAATATTCTGCCTTAGTCAAACTCTACCATGTCTGAAGATAAACAACAAGAGAC 683
 QY 181 LeuGluPheAlaIleSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
 DB 684 CTGGAATTTGGCGCGCTCTCAGAGCTACTCTGAGTITTTTCTACTCTATTGGACAGGGCTT 743
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 DB 744 TTGGCCCTTGACAGTGGCAAGCCCTGGCTGGATGGATGAACCCCTTTCACTCTGA 803
 QY 221 LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 DB 804 CTGTTCCATATTATAATAGATGTCAACAGCCCAAGACAGAGACTGTGTGCCATCTC 863
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 DB 864 AATGGATGATCTTCTCAAGAGACTGCAAGAAATGAAGCGTTGTCTGTGAGAGAAGG 923
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
 DB 924 GCAGGAATGGTGAAGCCAGAGAGCTCCATGTCCCCCTGAAACATTAGGCGAAGTGAC 983
 RESULT 9
 ID ABL88154
 XX ABL88154 standard; cDNA; 1841 BP.
 AC ABL88154;
 XX
 DT 16-MAY-2002 (first entry)
 XX
 DE Human PRO1131 cDNA sequence SEQ ID NO:165.
 XX
 KW Human; angiogenesis; cardiast; cytostatic; antiangiogenic; hypotensive;
 KW vulary; antiarteriosclerotic; PRO agonist; PRO antagonist; trauma;
 KW gene therapy; cardiovascular disorder; endothelial disorder; cancer;
 KW angiogenic disorder; cardiac hypertrophy; atherosclerosis; hypertension;
 KW age-related macular degeneration; arterial restenosis; angina;
 KW rheumatoid arthritis; myocardial infarction; thrombophlebitis;
 KW lymphangitis; tumour angiogenesis; breast carcinoma; liver carcinoma;
 KW wound healing; chromosome mapping; gene mapping; gene; ss.
 XX
 OS Homo sapiens.
 XX
 XX WO200200690-A2.
 XX
 PD 03-JAN-2002.
 XX
 XX 20-JUN-2001; 2001WO-US019692.
 XX
 XX 23-JUN-2000; 2000US-0213637P.
 PR 23-JUN-2000; 2000US-0219556P.
 PR 25-JUL-2000; 2000US-0220624P.
 PR 25-JUL-2000; 2000US-0220664P.
 PR 28-JUL-2000; 2000WO-US020710.
 PR 02-AUG-2000; 2000US-0222695P.
 PR 17-AUG-2000; 2000US-00643557.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 07-SEP-2000; 2000US-0230978P.
 PR 18-SEP-2000; 2000US-00664610.
 PR 18-SEP-2000; 2000US-00665350.
 PR 24-OCT-2000; 2000US-0242922P.
 PR 08-NOV-2000; 2000US-00709238.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.

PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 22-JAN-2001; 2001US-00767609.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 30-MAY-2001; 2001US-00870574.
 PR 30-MAY-2001; 2001WO-US017443.
 PR 01-JUN-2001; 2001WO-US017800.
 XX
 PA (GETH) GENENTECH INC.
 XX
 PI Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A;
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
 PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
 XX
 DR WPI; 2002-090516/12.
 XX P-PSDB; ABB84899.
 PT One hundred and eighty seven nucleic acids encoding PRO polypeptides,
 PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
 PT infarction), endothelial or angiogenic disorders in a mammal.
 XX
 PS Claim 2; Fig 165; 565pp; English.
 XX
 CC ABL88072 to ABL88258 encode the PRO proteins given in ABB84817 to
 CC ABB85003. The PRO proteins and polynucleotides have cardiant, cytostatic,
 CC antiangiogenic, hypotensive, vulnerary and antiarteriosclerotic
 CC activities, and can be used in gene therapy. The PRO polynucleotides,
 CC proteins, agonists and antagonists are useful for treating or diagnosing
 CC a cardiovascular, endothelial or angiogenic disorder in a mammal, e.g.
 CC cardiac hypertrophy, trauma, cancer, age-related macular degeneration,
 CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
 CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
 CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
 CC healing. The PRO polynucleotides have applications in molecular biology,
 CC including use as hybridisation probes, and in chromosome and gene
 CC mapping. ABL88259 to ABL88267 represent primers and probes used in the
 CC exemplification of the present invention
 XX
 SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

Alignment Scores:
 Pred. No.: 3.3e-147 Length: 1841
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 6 Gaps: 0
 US-10-689-742-160 (1-280) x ABL88154 (1-1841)
 QY 1 MetGlnAlaLysTyrSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
 DB 144 ATGAGGCCAAGTACAGCAGCAGGACATGCTGGATGATGATGGGACACCATG 203
 QY 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgThrGluHis 40
 DB 204 AGCCTGCATTCTCAAGCCTCTGCCACAACCTCGGCATCCAGACCCCGCGCAGAGCAC 263
 QY 41 ArgAlaProSerSerThrThrArgProValAlaLeuThrLeuLeuCysLeuVal 60
 DB 264 AGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTTGACCTGCTGCTGTGTGGTG 323

QY 61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAen 80
 DB 324 CTGCTGATAGGCTGGCAGCCCTGGGGCTTTGTTTTTTCAGTACTACCAATCTCTCAAT 383
 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAenThrSerGlnGluLeu 100
 DB 384 ACTGGTCAAGACACCATTTCTCAATGGGAAGAAGATTAGGAATAATAGTCCCAAGAGTTG 443
 QY 101 GlnSerLeuGlnValGlnAenIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
 DB 444 CAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATCTGGCTGAAAAA 503
 QY 121 LeuCysArgGluLeuTyrAenLysAlaGlyAlaHisArgCysSerProCysThrGlnGln 140
 DB 504 CTCTGTGCTGAGCTGATATACAAAGCTGGAGACACAGGTGCAGCCCTTGTACAGAACAA 563
 QY 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 DB 564 TGGNAATGGCATGGAGACAAATGCTACCACTTCTATAGACAGCAAAAGTTGGGAGGAC 623
 QY 161 CysLysTyrPheCysLeuSerGluAenSerThrMetLeuLysIleAenLysGlnGluAsp 180
 DB 624 TGTAAATATTCTGCTTCTAGTCAAAACTTACCATGCTGAAGATAAACAAACAAGAAGAC 683
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
 DB 684 CTGGAATTTGCCGCGTCTCAGAGCTACTCTGAGTCTTTTCTACTCTTATTGGACAGGGCTT 743
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTyrMetAspGlyThrProPheThrSerGlu 220
 DB 744 TTGGCCCTTGACAGTGGCAAGCGCTGGCTGGATGGATGGAAACCCCTTCTACTTCTGAA 803
 QY 221 LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 DB 804 CTGTTCCATATTATATAGATGTACACAGCCCAAGAAAGCAGAGACTGTGTGGCCATCTCTC 863
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 DB 864 AATGGGATGATCTTCTCAAGGACTGCAAGAAGATTGAAGCGTTGTCTGTGAGAGAAGG 923
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluAsp 280
 DB 924 GCAGGATGGTGAAGCAGAGAGCCCTCCATGTGTCCTGTAACATTTAGGCGAAGTGAC 983
 RESULT 10
 ID ABL95643 standard; cDNA; 1841 BP.
 XX AC ABL95643;
 XX DT 19-JUL-2002 (first entry)
 XX DE Human angiogenesis related cDNA PRO1131 SEQ ID NO: 165.
 XX KW Human; angiogenesis; PRO protein; cardiovascularisation; wound; cancer;
 KW atherosclerosis; cardiac hypertrophy; gene therapy; endothelial disorder;
 KW cardiac; cytostatic; antiangiogenic; hypotensive; vulnerary;
 KW antiarteriosclerotic; gene; ss.
 XX OS Homo sapiens.
 XX PN WO200208284-A2.
 XX PD 31-JAN-2002.
 XX PF 09-JUL-2001; 2001WO-US021735.
 XX PR 20-JUL-2000; 2000US-0219556P.
 PR 25-JUL-2000; 2000US-0220624P.
 PR 28-JUL-2000; 2000US-0220664P.
 PR 02-AUG-2000; 2000WO-US020710.
 PR 17-AUG-2000; 2000US-0222695P.
 PR 23-AUG-2000; 2000WO-US023522.
 PR 24-AUG-2000; 2000WO-US023328.
 PR 07-SEP-2000; 2000US-0230978P.
 PR 18-SEP-2000; 2000US-00664610.
 PR 18-SEP-2000; 2000US-00665350.
 PR 24-OCT-2000; 2000US-0242922P.
 PR 08-NOV-2000; 2000US-00709238.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 10-NOV-2000; 2000WO-US030873.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 22-JAN-2001; 2001US-00767609.
 PR 28-FEB-2001; 2001US-00796498.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 01-MAR-2001; 2001WO-US006666.
 PR 09-MAR-2001; 2001US-00802706.
 PR 14-MAR-2001; 2001US-00808689.
 PR 22-MAR-2001; 2001US-00816744.
 PR 05-APR-2001; 2001US-00828366.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001US-00866028.
 PR 25-MAY-2001; 2001US-00866034.
 PR 25-MAY-2001; 2001WO-US017092.
 PR 30-MAY-2001; 2001US-00870574.
 PR 30-MAY-2001; 2001WO-US017443.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 20-JUN-2001; 2001WO-US019692.
 XX (GETH) GENENTECH INC.
 PA (BAKE) BAKER K P.
 PA (FERR) FERRARA N.
 PA (GERB) GERBER H.
 PA (GERR) GERRITSEN M E.
 PA (GODD) GODDARD A.
 PA (GODO) GODOWSKI P J.
 PA (GURN) GURNEY A L.
 PA (HILL) HILLAN K J.
 PA (MARS) MARSTERS S A.
 PA (PANJ) PAN J.
 PA (PAON) PAONI N F.
 PA (STEP) STEPHAN J F.
 PA (WATA) WATANABE C K.
 PA (WILL) WILLIAMS P M.
 PA (WOOD) WOOD W I.
 XX Baker KP, Ferrara N, Gerber H, Gerritsen ME, Goddard A,
 PI Godowski PJ, Gurney AL, Hillan KJ, Marsters SA, Pan J, Paoni NF;
 PI Stephan JF, Watanabe CK, Williams PM, Wood WI, Ye W;
 XX WPI: 2002-171999/22.
 DR P-PSDB; ABB95505.
 XX One hundred and eighty seven nucleic acids encoding PRO polypeptides,
 PT useful in diagnosis and treatment of cardiovascular (e.g. myocardial
 PT infarction), endothelial or angiogenic disorders in a mammal.
 XX Claim 1; Fig 165; 567pp; English.
 PS The present invention provides the protein and coding sequences of human
 CC PRO proteins. These are useful for treating or diagnosing a
 CC cardiovascular, endothelial or angiogenic disorder, including cardiac
 CC hypertrophy, trauma, cancer, age-related macular degeneration,
 CC atherosclerosis, hypertension, arterial restenosis, rheumatoid arthritis,
 CC angina, myocardial infarctions, thrombophlebitis, lymphangitis, tumour
 CC angiogenesis (such as breast carcinoma and liver carcinoma) and wound
 CC healing. The present sequence is a coding sequence of the invention
 XX SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;
 Alignment Scores: 3.3e-147 Length: 1841
 Pred. No.:

Score:	1508.00	Matches:	280
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	6	Gaps:	0

US-10-689-742-160 (1-280) x ABL95643 (1-1841)

QY	1	MetGlnAlaLysTyrSerSerThrThrArgAspMetLeuLeuAspAspAspGlyAspThrThrMet	20
Db	144	ATGCAAGCCCAAGTACAGCAGCAGCAGGAGACATGCTGGATGATGATGGGACACACCACATG	203
QY	21	SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis	40
Db	204	AGCCTGCATTCTCAAGCCTCTGCCCAACTCGGCATCCAGAGCCCCGGCCACAGAGCAC	263
QY	41	ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal	60
Db	264	AGGGCTCCCTCTTCAAGCTGGCGACACAGTGGCCCTGACCCCTGCTGACTTTGTGCTTGGTG	323
QY	61	LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPheGlnTyrThrGlnLeuSerAsn	80
Db	324	CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTGTTTTTTCAGTACTACCAAGCTCTCCAAT	383
QY	81	ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu	100
Db	384	ACTGGTCAAGACACCATTTCTCAATGGAAGAAAGATTAGGAANTAGCTCCCAAGATTG	443
QY	101	GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys	120
Db	444	CAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCACTGTGGCTGAAAA	503
QY	121	LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln	140
Db	504	CTCTGTCGTAGCTGTATAACAAAGCTGGAGCACAGGTGCAGCCCTTGTACAGAACAA	563
QY	141	TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp	160
Db	564	TGGAAATGGCATGGAGACAAATTGCTACCAGTTCTATAAAGACAGCAAAAGTTGGAGGAC	623
QY	161	CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp	180
Db	624	TGTAATAATATTCTGCTTAGTGAAACTCTACCATGCTGAGATATAACAAACAGAGTAC	683
QY	181	LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu	200
Db	684	CTGGAAATTTGCCCGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATGGCAGGCGTT	743
QY	201	LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu	220
Db	744	TTGGCCCTTGACAGTGGCAAGCCCTGGCTGTGGATGGATGGACCCCTTTCACTTCTGAA	803
QY	221	LeuPheHisIleIleAlaAspValThrSerProArgSerArgAspCysValAlaIleLeu	240
Db	804	CTGTTCCCATATTATTAATAGATTGTACCAAGCCCAAGACGACAGACTGTGTGGCCATCCTC	863
QY	241	AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg	260
Db	864	AATGGAGTATCTTCTCAAAGGACTGCGAAGAAATTGAAGCGTTGTGTCTGTGAGAGAGG	923
QY	261	AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp	280
Db	924	CAGGAATGGTGAAGCCAGAGAGCTCATGTCCTCCCTGAAACATTTAGCGCAAGGTGAC	983

RESULT 11

ACA89675

ID ACA89675 standard; cDNA; 1841 BP.

XX

AC ACA89675;

XX
DT 10-JUL-2003 (first entry)

DE cDNA encoding human PRO polypeptide #301.

PR	22-MAY-1998;	98US-0086486P.	PR	18-AUG-1998;	98US-0097022P.
PR	28-MAY-1998;	98US-0087098P.	PR	26-AUG-1998;	98US-0097952P.
PR	28-MAY-1998;	98US-0087208P.	PR	26-AUG-1998;	98US-0097954P.
PR	02-JUN-1998;	98US-0087609P.	PR	26-AUG-1998;	98US-0097955P.
PR	02-JUN-1998;	98US-0087759P.	PR	26-AUG-1998;	98US-0097971P.
PR	03-JUN-1998;	98US-0087827P.	PR	26-AUG-1998;	98US-0097974P.
PR	04-JUN-1998;	98US-0088025P.	PR	26-AUG-1998;	98US-0098014P.
PR	04-JUN-1998;	98US-0088028P.	PR	01-SEP-1998;	98US-0098716P.
PR	04-JUN-1998;	98US-0088029P.	PR	01-SEP-1998;	98US-0098723P.
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PR	22-JUN-1998;	98US-0090254P.	PR	25-SEP-1998;	98US-0101786P.
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PR	24-JUN-1998;	98US-0090535P.	PR	30-SEP-1998;	98US-0102487P.
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PR	25-JUN-1998;	98US-0090688P.	PR	01-OCT-1998;	98US-0102687P.
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QY      101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
      |||||
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QY      121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
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QY      141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
      |||||
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QY      161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
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Db      624 TGTAAATATTTCTGCTTAGTGAAAACTCTACCATGCTGAAGATAAAACAACAAGAGAC 683

QY      191 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
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Db      684 CTGGAAATTGGCGCGTCTCAGAGCTACTCTGAGTTTCTTACTCTATTGGACAGGGGCTT 743

QY      201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
      |||||
Db      744 TTGGCCCTGACAGTGGCAAGCCCTGGCTGGATGGATGGAAACCCCTTTTACTTCTGAA 803

QY      221 LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
      |||||
Db      804 CTGTTCCATATTATAATAGATGTCAACAGCCCAAGACAGAGACTGTGTGGCCATCCTC 863

QY      241 AsnGlyMetIlePheSerIleAspCysLysGluLeuLysArgCysValCysGluArgArg 260
      |||||
Db      864 AATGGGATGATCTTCTCAAGGACTGCAAGAAATTGAAGCGTTGTCTGTGAGAGAAAG 923

QY      261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
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RESULT 12
ID ACA73685
XX ACA73685 standard; cDNA; 1841 BP.
XX AC ACA73685;
XX DT 01-JUL-2003 (first entry)
XX DE Human secreted/transmembrane protein (PRO) cDNA #301.
XX KW Human; ss; gene; secreted protein; transmembrane protein; PRO; tumour;
XX KW proliferation; differentiation; chondrocyte cells;
XX KW tumour necrosis factor-alpha; TNF-alpha; blood; gene therapy.
XX OS Homo sapiens.
XX PN US2003036146-A1.
XX PD 20-FEB-2003.
XX PF 02-JUL-2002; 2002US-00187603.
XX PR 26-JUN-1998; 98US-00105413.
PR 16-SEP-1998; 98WO-US019330.
PR 07-OCT-1998; 98US-00168978.
PR 07-OCT-1998; 98WO-US021141.
PR 06-NOV-1998; 98US-00187368.
PR 01-DEC-1998; 98WO-US025108.
PR 07-DEC-1998; 98US-00202054.
PR 03-MAR-1999; 99US-00254311.
PR 08-MAR-1999; 99WO-US005028.
PR 14-MAY-1999; 99US-00311832.
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PR      02-JUN-1999; 99WO-US012252.
PR      25-AUG-1999; 99US-00380137.
PR      25-AUG-1999; 99US-00380138.
PR      25-AUG-1999; 99US-00380139.
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PR      01-SEP-1999; 99WO-US020111.
PR      15-SEP-1999; 99WO-US021090.
PR      18-OCT-1999; 99US-00403297.
PR      12-NOV-1999; 99US-00423844.
PR      01-DEC-1999; 99WO-US028301.
PR      02-DEC-1999; 99WO-US028551.
PR      30-DEC-1999; 99WO-US031274.
PR      05-JAN-2000; 2000WO-US000219.
PR      18-FEB-2000; 2000WO-US004341.
PR      18-FEB-2000; 2000WO-US004342.
PR      22-FEB-2000; 2000WO-US004414.
PR      24-FEB-2000; 2000WO-US005004.
PR      01-MAR-2000; 2000WO-US005601.
PR      02-MAR-2000; 2000WO-US005841.
PR      15-MAR-2000; 2000WO-US006884.
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PR      17-MAY-2000; 2000WO-US013705.
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PR      02-JUN-2000; 2000WO-US015264.
PR      28-JUL-2000; 2000WO-US020710.
PR      22-AUG-2000; 2000US-00844848.
PR      24-AUG-2000; 2000WO-US023328.
PR      18-SEP-2000; 2000US-00664610.
PR      18-SEP-2000; 2000US-00665350.
PR      08-NOV-2000; 2000US-00709238.
PR      08-NOV-2000; 2000WO-US030952.
PR      01-DEC-2000; 2000WO-US032678.
PR      20-DEC-2000; 2000US-00747259.
PR      28-DEC-2000; 2000WO-US034956.
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PR      22-MAR-2001; 2001US-00816744.
PR      10-MAY-2001; 2001US-00854208.
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PR      25-MAY-2001; 2001US-00866028.
PR      01-JUN-2001; 2001WO-US017800.
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PR      29-JUN-2001; 2001WO-US021066.
PR      09-JUL-2001; 2001WO-US021735.
PR      18-JUL-2001; 2001US-00908827.
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PR      16-AUG-2001; 2001US-00931836.
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PR      29-AUG-2001; 2001WO-US027099.
PR      04-SEP-2001; 2001US-00946374.
PR      15-JAN-2002; 2002US-00052586.
```

(GETH) GENENTECH INC.

Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;

WPI; 2003-332034/31.

P-PSDB; ABU86493.

Three hundred and five nucleic acids encoding PRO polypeptides, useful in
gene therapy, chromosome identification, tissue typing, and for detecting
the presence of tumor in a mammal.

Claim 2; Fig 601; 707pp; English.

The invention relates to three hundred and five nucleic acids encoding
PRO polypeptides (secreted and transmembrane), sequences 80% identical to
them, or encoding a PRO polypeptide lacking its associated signal peptide

CC or an extracellular domain of the PRO polypeptide, with or lacking its
 CC associated signal peptide. Also included are the encoded PRO proteins,
 CC PRO expression vectors, host cells transformed with the vector (used to
 CC produce PRO proteins), a chimaeric molecule comprising the PRO
 CC polypeptide fused to a heterologous amino acid sequence, an anti-PRO
 CC antibody, a method for stimulating the release of tumor necrosis factor
 CC alpha (TNF-alpha) from human blood (by contacting the blood with PRO1079,
 CC PRO827, PRO791, PRO1131, PRO1315, PRO1183, PRO1343, PRO1760, PRO1567 or
 CC PRO3333), a method for stimulating the proliferation or differentiation
 CC of chondrocyte cells by contacting the cells with a PRO6029 polypeptide,
 CC a method for detecting the presence of tumor in a mammal and an
 CC oligonucleotide probe derived from any of the nucleotide sequences cited
 CC above. The PRO polypeptide or anti-PRO antibody is useful for preparing a
 CC medicament for treating a condition that is responsive to the PRO
 CC polypeptide or anti-PRO antibody. The PRO nucleotide sequences are useful
 CC as hybridisation probes in chromosome and gene mapping, or in generating
 CC antisense RNA and DNA. PRO nucleic acids are also useful in preparing PRO
 CC polypeptides, in assays to identify other proteins or molecules involved
 CC in a binding reaction, to generate transgenic animals or knockout
 CC animals, which in turn are useful in the development and screening of
 CC therapeutically useful reagents, for chromosome identification, and
 CC tissue typing. The PRO polypeptides and nucleic acid molecules are also
 CC useful for detecting the presence of a tumour in a mammal, stimulating
 CC proliferation or differentiation of chondrocyte cells, stimulating the
 CC release of tumour necrosis factor-alpha from human blood, in gene
 CC therapy, or as molecular weight markers for protein electrophoresis
 CC purposes. The anti-PRO antibodies may be used in diagnostic assays for
 CC PRO, or for the affinity purification of PRO from recombinant cell
 CC culture or natural sources. The present sequence is a cDNA encoding a PRO
 CC protein

SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

Alignment Scores:

Pred. No.: 3.3e-147 Length: 1841
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 8 Gaps: 0

US-10-689-742-160 (1-280) x ACA73685 (1-1841)

QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
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 QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHis 40
 DB 204 AGCCTGCATCTCAAGCCTCTGCCAACATCGGCATCCAGAGCCCGCGGCACAGAC 263
 QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuVal 60
 DB 264 AGGGCTCCCTCTTCAACGTGGGACGACGAGGCGCTGACCTGCTGACTTTGGCTGGT 323
 QY 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTrpGlnLeuSerAsn 80
 DB 324 CTGCTGATAGGCTGCGACCCCTGGGGCTTTGTTTTCAGTACTACCACTCTCCAAT 383
 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
 DB 384 ACTGGTCAAGACACCACTTTCTCAATAGGAAGATTAGGAATACGTCCTCCAGAGTTG 443
 QY 101 GlnSerLeuGlnValGlnAsnIleuValAlaGlySerLeuGlnHisValAlaGluLys 120
 DB 444 CAATCTCTTCAAGTCAGAAATATAAGCTTTGAGGAAGTCTGAGCATGTGGCTGAAAA 503
 QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
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DB 564 TGGAAATGGCATGGAGACAAATTGCTACCATTTCTATTAAGACAGCAAAAGTTGGGAGGAC 623
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 DB 624 TGTAAATATTTCTGCTTAGTGAAAACTCTACCATGCTGAAGATAAAACAACAAGAGAC 683
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 QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluAsp 280
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 ID ACA06000
 AC ACA06000 standard; cDNA; 1841 BP.
 XX ACA06000;
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 DT 29-MAY-2003 (first entry)
 XX Human secreted/transmembrane protein (PRO) cDNA #301.
 DE
 XX Human; gene; ss; secreted and transmembrane protein; PRO; TNF-alpha;
 KW tumour necrosis factor alpha; chondrocyte cell; tumour; gene therapy;
 KW tissue typing.
 XX
 XX Homo sapiens.
 XX
 PN US2003036162-A1.
 XX
 PD 20-FEB-2003.
 XX
 PF 12-JUL-2002; 2002US-00194423.
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 PR 16-SEP-1998; 98WO-US019330.
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 PR 07-OCT-1998; 98WO-US021141.
 PR 06-NOV-1998; 98US-00187368.
 PR 01-DEC-1998; 98WO-US025108.
 PR 07-DEC-1998; 98US-00202054.
 PR 03-MAR-1999; 99US-00254311.
 PR 08-MAR-1999; 99WO-US005028.
 PR 14-MAY-1999; 99US-00311832.
 PR 14-MAY-1999; 99WO-US010733.
 PR 02-JUN-1999; 99WO-US012252.
 PR 25-AUG-1999; 99US-00380137.
 PR 25-AUG-1999; 99US-00380138.
 PR 25-AUG-1999; 99US-00380139.
 PR 25-AUG-1999; 99US-00380142.
 PR 01-SEP-1999; 99WO-US020111.
 PR 15-SEP-1999; 99WO-US021090.
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 PR 01-DEC-1999; 99WO-US028301.
 PR 02-DEC-1999; 99WO-US028551.
 PR 30-DEC-1999; 99WO-US031274.
 PR 05-FEB-2000; 2000WO-US000219.
 PR 18-FEB-2000; 2000WO-US004341.

PR 18-FEB-2000; 2000WO-US004342.
 PR 22-FEB-2000; 2000WO-US004414.
 PR 24-FEB-2000; 2000WO-US005004.
 PR 01-MAR-2000; 2000WO-US005601.
 PR 02-MAR-2000; 2000WO-US005841.
 PR 15-MAR-2000; 2000WO-US006884.
 PR 30-MAR-2000; 2000WO-US008439.
 PR 17-MAY-2000; 2000WO-US013705.
 PR 22-MAY-2000; 2000WO-US014042.
 PR 30-MAY-2000; 2000WO-US014941.
 PR 02-JUN-2000; 2000WO-US015284.
 PR 28-JUL-2000; 2000WO-US020710.
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 PR 24-AUG-2000; 2000WO-US023328.
 PR 18-SEP-2000; 2000US-00664610.
 PR 18-SEP-2000; 2000US-00665350.
 PR 08-NOV-2000; 2000US-00709238.
 PR 08-NOV-2000; 2000WO-US030952.
 PR 01-DEC-2000; 2000WO-US032678.
 PR 20-DEC-2000; 2000US-00747259.
 PR 20-DEC-2000; 2000WO-US034956.
 PR 28-FEB-2001; 2001WO-US006520.
 PR 22-MAR-2001; 2001US-00816744.
 PR 10-MAY-2001; 2001US-00854208.
 PR 10-MAY-2001; 2001US-00854280.
 PR 25-MAY-2001; 2001US-00866028.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 05-JUN-2001; 2001US-00874503.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 18-JUL-2001; 2001US-00908827.
 PR 30-JUL-2001; 2001US-00918585.
 PR 06-AUG-2001; 2001US-00924419.
 PR 13-AUG-2001; 2001US-00929404.
 PR 16-AUG-2001; 2001US-00931836.
 PR 28-AUG-2001; 2001US-00941992.
 PR 29-AUG-2001; 2001WO-US027099.
 PR 04-SEP-2001; 2001US-00946374.
 PR 15-JAN-2002; 2002US-00052586.
 XX PA (GETH) GENENTECH INC.

XX Baker KP, Chen J, Desnoyers L, Goddard A, Godowski PJ, Gurney AL;
 PI Pan J, Smith V, Watanabe CK, Wood WI, Zhang Z;
 XX WPI; 2003-332039/31.
 DR P-PSDB; ABU67706.

XX New secreted and transmembrane PRO polypeptides and nucleic acids, useful
 PT in gene therapy, in chromosome and gene mapping, as chromosome markers,
 PT in tissue typing, and in chromosome identification.

XX Claim 2; Fig 601; 706pp; English.

XX The invention discloses human nucleic acids encoding secreted and
 CC transmembrane (PRO) polypeptides. Also disclosed is an antibody that
 CC specifically binds to the PRO polypeptide, a method for stimulating the
 CC release of tumour necrosis factor alpha (TNF-alpha) from human blood by
 CC contacting the blood a PRO polypeptide, a method for stimulating the
 CC proliferation or differentiation of chondrocyte cells by contacting the
 CC cells with a PRO polypeptide, a method for detecting the presence of a
 CC tumour in a mammal and an oligonucleotide probe derived from any of the
 CC PRO nucleotide sequences. The nucleotide sequences are useful as probes,
 CC in chromosome and gene mapping, in generating antisense RNA and DNA, in
 CC preparing PRO polypeptides by recombinant techniques and in gene therapy
 CC (e.g. for replacement of defective gene). The PRO polypeptides are useful
 CC as molecular weight markers for protein electrophoresis purposes, for
 CC chromosome identification, as chromosome markers, as therapeutic agents,
 CC for stimulating the release of TNF-alpha from human blood, for
 CC stimulating the proliferation or differentiation of chondrocytes and
 CC detecting the presence of a tumour. The PRO polypeptides and nucleic
 CC acids may also be used diagnostically for tissue typing. The sequences

CC presented in ACA05700-ACA06004 are the cDNAs encoding the PRO
 CC polypeptides of the invention
 XX
 SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

Alignment Scores:

Pred. No.: 3.3e-147 Length: 1841
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 8 Gaps: 0

US-10-689-742-160 (1-280) x ACA06000 (1-1841)

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 Qy 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
 Db 204 AGCTGCAATTCCTCAAGCTCTGCCCACTCGGCATCCAGAGCCCGCGGCACAGAGCAC 263
 Qy 41 ArgAlaProSerSerThrTrrArgProValAlaLeuThrLeuThrLeuCysLeuVal 60
 Db 264 AGGGCTCCCTCTCAACGTGGCAGCAGTGGCCCTGACCTGCTGACTTTGTGCTGTGTG 323
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 Db 324 CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTGTTTTTTCAGTACTACACAGCTCTCCAAT 383
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 Db 504 CTCTGCTGAGCTGTATATAAAGCTGGACACACAGGTGAGCCCTTGACAGAACAA 563
 Qy 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 Db 564 TGGAAATGGCATGGAGCAATTTGCTACCACTTCTATAAGACAGACAAAGTTGGAGGAC 623
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 Db 624 TGTAATATATTCTGCCTTAGTGAATAACTCTACCATGCTGAAGATAAACAACAAGAGAC 683
 Qy 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
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 Qy 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 Db 744 TTGGCCCTTGACGTGGCAGGCCCTGGCTGTGGATGGATGAACCCCTTTTACTTCTGAA 803
 Qy 221 LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
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 Db 864 AATGGATGATGCTCTCTCAAGGACTGCAAGAAATGAACGCTGTGTCTGTGAGAGAGG 923
 Qy 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyLysGluAsp 280
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RESULT 14
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Db 504 CTCCTGCTGAGCTGTATACAAAGCTGGAGGACACAGGTGAGCCCTTGTACAGAACAA 563
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QY 161 CysLysTyArgPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
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QY 181 LeuGluPheAlaAlaSerGlnSerTyArgGlnPheTyArgSerTyArgTrpThrGlyLeu 200
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QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
Db 744 TTGCGCCCTGACAGTGGCAAGCGCTGGCTGGATGGATGGAAACCTTTTCACTTCTGAA 803
QY 221 LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
Db 804 CTGTTCCATATTATTAATAGATGTCACAGCCCAAGACAGACAGTGTGTGGCCATCCTC 863
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Db 864 AATGGATGATCTTCTCAAGACTGCAAGAAATGAAGCGTTGTCTGTGAGAGAAAG 923
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RESULT 15
ACA64371
ID ACA64371 standard; cDNA; 1841 BP.
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AC ACA64371;
XX
DT 17-JUN-2003 (first entry)
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DE Novel human secreted and transmembrane protein PRO1131 cDNA.
XX
XX Human; secreted and transmembrane protein; cytostatic; anti-HIV;
KW virucide; hepatotropic; antiinflammatory; neuroprotective; gene therapy;
KW PRO; pharmaceutical; diagnostic; biosensor; bioresorptive; malignancy;
KW cancer; ovarian cancer; colorectal cancer; Kaposi's sarcoma; leukaemia;
KW lymphoma; hepatitis B; multiple sclerosis; Crohn's disease;
KW drug screening; gene; ss.
XX
OS Homo sapiens.
XX
XX
FN US2003003531-A1.
XX
XX
PD 02-JAN-2003.
XX
XX
PF 19-NOV-2001; 2001US-00989734.
XX
XX
PR 16-JUN-1997; 97US-0049787P.
PR 17-OCT-1997; 97US-0062250P.
PR 05-NOV-1997; 97WO-US020069.
PR 12-NOV-1997; 97US-0065186P.
PR 13-NOV-1997; 97US-0065311P.
PR 24-NOV-1997; 97US-0066770P.
PR 25-FEB-1998; 98US-0075945P.
PR 20-MAR-1998; 98US-0078910P.
PR 28-APR-1998; 98US-0083222P.
PR 07-MAY-1998; 98US-0084600P.
PR 28-MAY-1998; 98US-0087106P.
PR 02-JUN-1998; 98US-0087607P.
PR 02-JUN-1998; 98US-0087609P.
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PR 03-JUN-1998; 98US-0087827P.
PR 04-JUN-1998; 98US-0088021P.
PR 04-JUN-1998; 98US-0088025P.
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PR 16-JUN-1998; 98US-0089512P.
PR 16-JUN-1998; 98US-0089514P.
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PR 18-JUN-1998; 98US-0089801P.
PR 18-JUN-1998; 98US-0089907P.
PR 18-JUN-1998; 98US-0089908P.
PR 16-SEP-1998; 98WO-US019330.
PR 17-SEP-1998; 98WO-US019437.
PR 07-OCT-1998; 98WO-US021141.
PR 01-DEC-1998; 98WO-US025108.
PR 05-JAN-1999; 99WO-US000106.
PR 08-MAR-1999; 99WO-US005028.
PR 02-JUN-1999; 99WO-US012252.
PR 15-SEP-1999; 99WO-US021090.
PR 15-SEP-1999; 99WO-US021547.
PR 30-NOV-1999; 99WO-US028313.
PR 01-DEC-1999; 99WO-US028301.
PR 01-DEC-1999; 99WO-US028634.
PR 16-DEC-1999; 99WO-US030095.
PR 20-DEC-1999; 99WO-US030911.
PR 05-JAN-2000; 2000WO-US000219.
PR 06-JAN-2000; 2000WO-US000376.
PR 11-FEB-2000; 2000WO-US003565.
PR 18-FEB-2000; 2000WO-US004341.
PR 22-FEB-2000; 2000WO-US004414.
PR 24-FEB-2000; 2000WO-US004914.
PR 02-MAR-2000; 2000WO-US005004.
PR 02-MAR-2000; 2000WO-US005841.
PR 10-MAR-2000; 2000WO-US006319.
PR 15-MAR-2000; 2000WO-US006884.
PR 20-MAR-2000; 2000WO-US007377.
PR 30-MAR-2000; 2000WO-US008439.
PR 15-MAY-2000; 2000WO-US013358.
PR 17-MAY-2000; 2000WO-US013705.
PR 22-MAY-2000; 2000WO-US014042.
PR 30-MAY-2000; 2000WO-US014941.
PR 02-JUN-2000; 2000WO-US015264.
PR 28-JUL-2000; 2000WO-US020710.
PR 11-AUG-2000; 2000WO-US020311.
PR 23-AUG-2000; 2000WO-US023522.
PR 24-AUG-2000; 2000WO-US023328.
PR 08-NOV-2000; 2000WO-US030952.
PR 01-DEC-2000; 2000WO-US032678.

PR 28-FEB-2001; 2001WO-US006520.
 PR 01-JUN-2001; 2001WO-US017800.
 PR 20-JUN-2001; 2001WO-US019692.
 PR 29-JUN-2001; 2001WO-US021066.
 PR 09-JUL-2001; 2001WO-US021735.
 PR 28-AUG-2001; 2001US-00941992.
 XX (GETH) GENENTECH INC.
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 XX
 PI Ashkenazi AJ, Baker KP, Botstein D, Desnoyers L, Eaton DL;
 PI Ferrara N, Fong S, Gerber H, Gerritsen ME, Goddard A, Godowski PJ;
 PI Grimaldi JC, Gurney AL, Kijavini IJ, Napier MA, Pan J, Paoni NF;
 PI Roy MA, Stewart TA, Tumas D, Watanabe CK, Williams PM, Wood WI;
 PI Zhang Z;
 XX
 XX WPI; 2003-352829/33.
 DR P-PSDB; ABU72542.
 XX
 XX
 PT New genes and secreted and transmembrane polypeptides (e.g. PRO183 or
 PT PRO184), useful for treating or diagnosing e.g. ovarian cancer, Kaposi's
 PT sarcoma, leukemia, lymphoma, hepatitis B, multiple sclerosis or Crohn's
 PT disease.
 XX
 PS Claim 1; Fig 229; 663pp; English.
 CC
 CC The invention describes a new isolated nucleic acid molecule comprising
 CC the full length coding sequence of the DNA deposited with the American
 CC Type Culture Collection (e.g. ARCC Deposit No. 209621, 552-PTA, 819-PTA,
 CC 209439, 203135, etc); or a sequence with at least 80% identity to a DNA
 CC encoding a PRO polypeptide. The PRO polypeptides or polynucleotides are
 CC useful as pharmaceuticals, diagnostics, biosensors or bioreactors. These
 CC are particularly useful for detecting or treating e.g. malignancies or
 CC cancers (e.g. ovarian cancer, colorectal cancer, Kaposi's sarcoma,
 CC leukaemia or lymphoma), hepatitis B, multiple sclerosis, or Crohn's
 CC disease in mammals. The PRO polypeptides are useful in drug screening,
 CC particularly as targets for therapeutic intervention in these diseases,
 CC and in the diagnostic determination of the presence of these diseases.
 CC The PRO polypeptides are also useful as molecular weight markers, or for
 CC chromosome identification. The PRO genes are useful as hybridisation
 CC probes, or for screening libraries of human cDNA, genomic DNA or mRNA.
 CC The PRO genes may also be used in gene therapy, particularly for
 CC replacing a defective gene. This sequence encodes a novel human secreted
 CC and transmembrane PRO polypeptide
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 SQ Sequence 1841 BP; 512 A; 452 C; 387 G; 490 T; 0 U; 0 Other;

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 Pred. No.: 3.3e-147 Length: 1841
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
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 US-10-689-742-160 (1-280) x ACA64371 (1-1841)

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 QY 41 ArgAlaProSerSerThrTyrArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
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 QY 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
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 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100

Search completed: October 8, 2005, 01:10:59
 Job time : 563.659 secs

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GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: October 7, 2005, 23:04:52 ; Search time 4253.3 Seconds
(without alignments)
3189.870 Million cell updates/sec

Title: US-10-689-742-160

Perfect score: 1508

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 9416466

Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	1508	100.0	1776	6	BD074859 Secreted

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6	1508	100.0	1841	6	AR528680	Sequence
7	1508	100.0	1841	6	AX055702	Sequence
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9	1508	100.0	1841	6	AX403431	Sequence
10	1508	100.0	1841	6	AX454580	Sequence
11	1508	100.0	1841	6	AX464324	Sequence
12	1508	100.0	1841	6	AX491058	Sequence
13	1508	100.0	1841	9	AX358587	Homo sapi
14	1508	100.0	2701	9	BC067746	Homo sapi
15	1504	99.7	1797	9	BC039072	Homo sapi
16	1502	99.6	1774	9	AF200949	Homo sapi
17	1465	97.1	1740	6	BD194489	Humanized
18	1310.5	86.9	1688	9	AX747295	Sequence
19	1310.5	86.9	1688	9	AK091989	Homo sapi
20	1223.5	81.1	792	6	CQ781749	Sequence
21	1223.5	81.1	792	6	BD126458	Primer fo
22	1051	69.7	1239	6	CQ727168	Sequence
23	1026.5	68.1	1530	10	BC052840	Mus muscu
24	841	55.8	563	6	CQ780483	Sequence
25	841	55.8	563	6	BD125192	Primer fo
26	585	38.8	468	6	AR252589	Sequence
27	585	38.8	468	6	AX079438	Sequence
28	585	38.8	468	6	AX403433	Sequence
29	564.5	37.4	10526	9	AC104772	Homo sapi
30	564.5	37.4	169272	2	AC016843	Homo sapi
31	439	29.1	322	6	BD059332	Secreted
32	378.5	25.1	1209	6	AX376526	Sequence
33	378.5	25.1	1209	9	AX358810	Homo sapi
34	365	24.2	883	6	AX704771	Sequence
35	364	24.1	963	6	AR252656	Sequence
36	364	24.1	963	6	AR528712	Sequence
37	364	24.1	963	6	AX403536	Sequence
38	364	24.1	963	6	AX464388	Sequence
39	364	24.1	963	9	AV358599	Homo sapi
40	362	24.0	3029	6	CQ851044	Sequence
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ALIGNMENTS

RESULT 1	CQ783156	Sequence 3296 from Patent EP1396543.	1756 bp	DNA	linear	PAT 17-MAR-2004
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LOCUS	CQ783156	CQ783156				
DEFINITION	CQ783156	CQ783156				
ACCESSION	CQ783156	CQ783156				
VERSION	CQ783156.1	GI:45503089				
KEYWORDS						
SOURCE						
ORGANISM						
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	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;					
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.					
REFERENCE	1					
AUTHORS	Ota, T., Nishikawa, T., Isogai, T., Hayaishi, K., Ishii, S., Kawai, Y.,					
	Wakamatsu, A., Sugiyama, T., Negai, K., Kojima, S., Otsuki, T. and					
	Koga, H.					
TITLE	Primers for synthesizing full length cDNA clones and their use					
JOURNAL	Patent: EP 1396543-A 3296 10-MAR-2004;					
	Research Association for Biotechnology (JP)					
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ORIGIN

Alignment Scores:
Pred. No.: 6,79e-147 Length: 1756
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 6 Gaps: 0

US-10-689-742-160 (1-280) x CQ783156 (1-1756)

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Qy 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgThrGluHis 40
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Qy 61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
Db 244 CTGCTGATAGGCTGGCAGCCCTGGGCTTTGTTTTTTCAGTACTACCATCTCCAA 303

Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
Db 304 ACTGCTCAAGACACCATTTCTCAATGGAAGAAAGATTAGGAAATACCTCCCAAGATTG 363

Qy 101 GlnSerLeuGlnValGlnAsnIleLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 364 CAATCTCTTCAAGTCCAGATATAAGCTTGCAGGAGTCTGCAGCATGTGGCTGAA 423

Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
Db 424 CTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGCTGCAGCCCTTTGACAGAACAA 483

Qy 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
Db 484 TGGAAATGGCATGGAGACAAATTTGCTTACCAAGTTCTATATAAGACAGCAAAAGTTGGGAGGAC 543

Qy 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
Db 544 TGTAAATATTTCTGCTTAGTGAAACCTCTACCATGCTGAGATATAACAAAGAGAC 603

Qy 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
Db 604 CTGGAATTTGGCGCTCTCAGAGCTACTCTGAGTTTTTCTACTTTATGGACAGGCTT 663

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Qy 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
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RESULT 2

BD127503 1756 bp DNA linear PAT 18-SEP-2002
Primer for synthesizing full-length cDNA and use thereof.
LOCUS BD127503
DEFINITION BD127503
ACCESSION BD127503
VERSION BD127503.1 GI:23222448
KEYWORDS JP 2002017375-A/2934.
SOURCE Homo sapiens (human)
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (Bases 1 to 1756)
AUTHORS Ota,T., Nishikawa,T., Isogai,T., Hayashi,K., Ishii,S., Kawai,Y.,
Wakamatsu,A., Sugiyama,T., Nagai,K., Kojima,S., Otsuki,T. and
Koga,H.
TITLE Primer for synthesizing full-length cDNA and use thereof
JOURNAL Patent: JP 2002017375-A 2934 22-JAN-2002;
COMMENT HELIX RESEARCH INSTITUTE
OS Homo sapiens (human)
PN JP 2002017375-A/2934
PD 22-JAN-2002
PF 07-JUL-2000 JP 2000253172
PI TOSHIO OTA, TETSUO NISHIKAWA, TAKAO ISOGAI, KOJI HAYASHI, SHIZUKO
PI ISHII,
PI YURI KAWAI, AI WAKAMATSU, TOMOYASU SUGIYAMA, KEIICHI NAGAI, PI
SHINICHI KOJIMA,
PI TETSUJI OTSUKI, HISASHI KOGA
PC C12N15/09, C07K14/47, C07K16/18, C12N1/15, C12N1/19, C12N1/21, C12N5/ PC
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PC C12P21/02, C12Q1/68//C12P21/08, G06F17/30, C12N15/00, C12N5/00 CC
Primer for synthesizing full-length cDNA and use thereof FH Key
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ORIGIN

Alignment Scores:
Pred. No.: 6,79e-147 Length: 1756
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservatives: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 6 Gaps: 0

US-10-689-742-160 (1-280) x BD127503 (1-1756)

Qy 1 MetGlnAlaLysTyrSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
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Qy 61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
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Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
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Qy 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
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Qy 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
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QY      141  TrpLysTrpHisGlyAspAenCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
Db      484  TGGAAATGCGATGGAGACAATGCTACCACTGTTCTATATAAGACAGCAAAAGTTGGGAGGAC 543
QY      161  CysLysTyrPheCysLeuSerGluAenSerThrMetLeuLysIleAenLysGlnGluAsp 180
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QY      181  LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
Db      604  CTGGAATTTTCCGCGCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGCTT 663
QY      201  LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
Db      664  TTGCGCCCTTCACAGTGGCAAGCGCTGGCTGGATGGATGGAACCCCTTTTCACTTCTGAA 723
QY      221  LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
Db      724  CTGTTCCATATTATATAGATGTCACAGCCCAAGAGCAGAGACTGTGTGGCCATCTT 783
QY      241  AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
Db      784  AATGGGATGATCTTCTCAAGAGACTGCAAGAAATTCAGAGGTTGTCTGTGAGAGAGG 843
QY      261  AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
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RESULT 3
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LOCUS   Homo sapiens cDNA FLJ90633 fis, clone PLACE1003573, weakly similar
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ACCESSION AK075114.1 GI:22760991
VERSION   AK075114.1
KEYWORDS  oligo capping; fis (full insert sequence).
SOURCE    Homo sapiens
           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
  1. Isogai, T., Ota, T., Nishikawa, T., Hayaashi, K., Otsuki, T.,
    Sugiyama, T., Suzuki, Y., Nagai, K., Sugano, S., Ishii, S.,
    Kawai-Hio, Y., Saito, K., Yamamoto, J., Wakamatsu, A., Nakamura, Y.,
    Kojima, S., Nagahari, K., Masuho, Y., Ono, T., Okano, K., Yoshikawa, Y.,
    Aotsuka, S., Sasaki, N., Hattori, A., Okumura, K., Iwayanagi, T. and
    Ninomiya, K.
    NEDO human cDNA sequencing project
  2. (bases 1 to 1756)
  3. Isogai, T. and Otsuki, T.
    Direct Submission
  4. Submitted (25-MAR-2002) Takao Isogai, Helix Research Institute,
    Genomics Laboratory, 1532-3 Yana, Kisarazu, Chiba 252-0812, Japan
    (E-mail: genomics@hri.co.jp, Tel: 81-438-52-3975, Fax: 81-438-52-3986)
    NEDO human cDNA sequencing project supported by Ministry of
    Economy, Trade and Industry of Japan; cDNA full insert sequencing:
    Research Association for Biotechnology; cDNA library construction:
    Institute of Medical Science, University of Tokyo, Laboratory of
    Genome Structure, Human Genome Center; cDNA 5'- & 3'-end one pass
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Pred. No.:      6,79e-147      Length:      1756
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Best Local Similarity: 100.00% Mismatches:      0
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QY      21  SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
Db      124  AGCCTGCATTCTCAAGCCTCTGCCACACTCGGCATCCAGAGCCCGCGGCACAGAGCAC 183
QY      41  ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
Db      184  AGGGGTCCTCTTCAACGTGGCGACAGGTGGCCCTGACCTCTGCTGCTTTGTGCTGGTG 243
QY      61  LeuLeuLeuGlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn 80
Db      244  CTGCTGTATAGAGCTGGCAGCCCTGGGCTTTGTTTTCAGTACTACCACTCTCCAT 303
QY      81  ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
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QY      121  LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
Db      424  CTCTGTGTGAGCTGTATACAAAGCTGGAGCACACAGGTGCAGCCCTTGTACAGAACAA 483
QY      141  TrpLysTrpHisGlyAspAenCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
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Qy      261 AlaGlyMetValysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
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RESULT 4
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LOCUS      BD074859      1776 bp      DNA      linear      PAT 27-AUG-2002
DEFINITION Secreted proteins and polynucleotide encoding the same.
ACCESSION BD074859
VERSION    BD074859.1 GI:22620462
KEYWORDS   JP 2001515717-A/1.
SOURCE      Homo sapiens (human)
ORGANISM    Homo sapiens
REFERENCE   1 (bases 1 to 1776)
AUTHORS     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
TITLES      Jacoby,K., Mccoy,J.M., Lavallie,E.R., Racie,L.A., Evans,C.,
            Metberg,D., Treacy,M., Agostino,M.J. and Spaulding,V.
            Secreted proteins and polynucleotide encoding the same
JOURNAL     Patent: JP 2001515717-A 1 25-SEP-2001;
            GENETICS INSTITUTE INC
COMMENT      OS Homo sapiens (human)
            PN JP 2001515717-A/1
            PD 25-SEP-2001
            PF 08-SEP-1998 JP 2000510854
            PR 08-SEP-1997 US 08/929007
            PI KENNETH JACOBS, JOHN M MCCOY, EDWARD R LAVALLIE, LISA A RACIE, PI
            PI CHERYL EVANS,
            PI DAVID MERBERG, MAURICE TREACY, MICHAEL J AGOSTINO, VIKKI PI
            SPAULDING
            PC C12N15/09, A61K38/00, A61K38/00, A61P43/00, C07K14/52, C12N1/21, PC
            C12N5/10,
            PC C12N15/00, A61K37/02, A61K37/18, C12N5/00
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Score:          1508.00      Matches:      280
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Qy      41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuVal 60
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Db      309 ACTGTCAGACACACCATTTCTCAATGGAAGAAGATTAGGAAATACGTCCTCCAGAGTTG 368
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LOCUS      AR252588      1841 bp      DNA      linear      PAT 20-DEC-2002
DEFINITION Sequence 318 from patent US 6478825.
ACCESSION AR252588
VERSION    AR252588.1 GI:27300496
KEYWORDS   .
SOURCE      Unknown.
ORGANISM    Unclassified.
REFERENCE   1 (bases 1 to 1841)
AUTHORS     Winterbottom,J.M., Shimp,L., Boyce,T.M. and Kaes,D.
TITLES      Implant, method of making same and use of the implant for the
            treatment of bone defects.
JOURNAL     Patent: US 6478825-A 318 12-NOV-2002;
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Pred. No.:      7.22e-147      Length:      1841
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Best Local Similarity: 100.00%      Mismatches: 0
Query Match:    100.00%      Indels:      0
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QY	61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn 80
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QY	81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
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DB	864 AATGGATGATCTTCTCAAGGACTGCAAGAAATTTGAAGCGTTGTGTCTGTGAGAGAGG 923
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DEFINITION	Sequence 457 from patent US 6725730.
ACCESSION	AR528680
VERSION	AR528680.1 GI:53916758
KEYWORDS	
SOURCE	Unknown.
ORGANISM	Unknown.
REFERENCE	Unclassified.
AUTHORS	1 (bases 1 to 1841)
TITLE	Bollinger, C.L. Jr.
JOURNAL	Crane test weight assembly and method
FEATURES	Patent: US 6725730-A 457 27-APR-2004; Location/Qualifiers

LOCUS AX055702 1841 bp DNA linear PAT 13-JAN-2001
DEFINITION Sequence 17 from Patent WO0073348.
ACCESSION AX055702
VERSION AX055702.1 GI:12228834
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
AUTHORS Baker, K.P., Goddard, A., Gurney, A.L., Hebert, C., Henzel, W.,
Kakaboff, R.C., Shelton, D.L., Smith, V., Watanabe, C.K. and Wood, W.I.
TITLE Methods and compositions for inhibiting neoplastic cell growth
JOURNAL Patent: WO 0073348-A 17 07-DEC-2000;
Genentech, Inc. (US)

FEATURES
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1..1841
/organism="Homo sapiens"
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ORIGIN

Alignment Scores:
Pred. No.: 7,22e-147 Length: 1841
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 6 Gaps: 0

US-10-689-742-160 (1-280) x AX055702 (1-1841)

QY 1 MetGlnAlaLysTyrSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
DB 144 ATGCAGGCCAAGTACAGCAGCAGGAGGACATCTGGATGATGAGGACACACCATG 203
QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgThrGluHis 40
DB 204 AGCCTGTCATTCTCAAGCCTCTGCCCACTCGGCATCCAGAGCCCGCGGCACAGAC 263
QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuVal 60
DB 264 AGGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCTGCTGCTTGTGTG 323
QY 61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
DB 324 CTGCTGATAGGCTGGCGCCCTGGGGCTTTGTGTTTTCAGTACTACAGCTCTCCAA 383
QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGlu 100
DB 384 ACTGTCAGACACCATTTCTCAATGGAAGAAAGATTAGGAATACGTCCCAAGTTG 443
QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValaGluLys 120
DB 444 CAATCTCTCAAGTCCAGAAATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAA 503
QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
DB 504 CTCTGTGTGAGCTGTATACAAAGCTGGAGCACAGGTGGCCCTTGTACAGAACAA 563
QY 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
DB 564 TGGAAATGGCATGGAGACAAATTTGCTACCACTTCTATAAAGACAGCAAAAGTTGGG 623
QY 161 CysLysTyrPheCysLeuSerGlnAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
DB 624 TGTAAATATTTCTGCTTAGTGAAACCTCTACCATGCTGAAGATAAACAAACAAGAC 683
QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlu 200
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QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
DB 864 AATGGATGATCTTCTCAAGGACTGCAAGAAATTGAAGCGTTGTCTGTGAGAGAGG 923
QY 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
DB 924 GCAGGAATGGTGAAGCCAGAGAGCCTCCATGTCCCCCTGAAACATTAGGCGAAGTGC 983

RESULT 8

LOCUS AX376534 1841 bp DNA linear PAT 01-MAR-2002
DEFINITION Sequence 601 from Patent WO0168848.
ACCESSION AX376534
VERSION AX376534.1 GI:19170655
KEYWORDS Homo sapiens (human)
SOURCE Homo sapiens
ORGANISM Homo sapiens
REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1
AUTHORS Baker, K.P., Chen, J., Desnoyers, L., Goddard, A., Godowski, P.J.,
Gurney, A.L., Pan, J., Smith, V., Watanabe, C.K., Wood, W.I. and
Zhang, Z.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding
the same

JOURNAL Patent: WO 0168848-A 601 20-SEP-2001;

FEATURES

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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Alignment Scores:
Pred. No.: 7,22e-147 Length: 1841
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 6 Gaps: 0

US-10-689-742-160 (1-280) x AX376534 (1-1841)

QY 1 MetGlnAlaLysTyrSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
DB 144 ATGCAGGCCAAGTACAGCAGCAGGAGGACATCTGGATGATGAGGACACACCATG 203
QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgThrGluHis 40
DB 204 AGCCTGTCATTCTCAAGCCTCTGCCCACTCGGCATCCAGAGCCCGCGGCACAGAC 263
QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuVal 60
DB 264 AGGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCTGCTGCTTGTGTG 323
QY 61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
DB 324 CTGCTGATAGGCTGGCGCCCTGGGGCTTTGTGTTTTCAGTACTACAGCTCTCCAA 383
QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGlu 100
DB 384 ACTGTCAGACACCATTTCTCAATGGAAGAAAGATTAGGAATACGTCCCAAGTTG 443
QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValaGluLys 120

Db 444 CAATCTCTTCAAGTCAGATATAAAGCTTGCGAGGAGTCTGCAGCATGTGCGCTGAAAAA 503
 QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 Db 504 CTCGTGCTGAGCTGTATACAAAGCTGGAGCACACAGCTGCAGCCCTTGTCAGAACAA 563
 QY 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 Db 564 TGAATATGCGATGGAGACAATTCCTACCAAGTCTATAAAGACAGCAAAAGTTGGAGGAC 623
 QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
 Db 624 TGTAAATATTTTGCCTTAGTGAAACTCTACCATGCTGAAGTAAACAAACAGAGAC 683
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTrpThrGlyLeu 200
 Db 684 CTGGAATTTGCGCGCTCTCAGAGTACTCTGAGTTCTTACTCTTATTGGACAGGCTT 743
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
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 Db 804 CTGTTCATATTTATATAGATGTACACGCCCAAGAGCAGAGACTGTGTGCCATCTC 863
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArg 260
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 QY 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 Db 924 GCAGGAATGGTGAAGCCAGAGAGCTCCATGTCCCCCTGAAACATTTAGGCGAAGTGAC 983

RESULT 9

AX403431
 LOCUS AX403431 1841 bp DNA linear PAT 14-JUN-2002
 DEFINITION Sequence 318 from Patent WO0073454.
 ACCESSION AX403431

VERSION AX403431.1 GI:21436942

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

AUTHORS
Ashkenazi, A.J., Baker, K.P., Botstein, D., Deanovers, L., Eaton, D.,
Ferrara, N., Gerber, H., Gerritsen, M., Goddard, A., Godowski, P.,
Grimaldi, C.J., Gurney, A.L., Kijavits, I., Napier, M.A., Pan, J.,
Paoni, N.F., Roy, M., Stewart, T.A., Tamas, D., Watanabe, C.K.,
Williams, P., Wood, W.I. and Zhang, Z.

TITLE
Secreted and transmembrane polypeptides and nucleic acids encoding
the same

JOURNAL
Patent: WO 0073454-A 318 07-DEC-2000;

Genentech Inc. (US)

FEATURES

source
Location/Qualifiers
1..1841
/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

ORIGIN

Alignment Scores:
Pred. No.: 7.22e-147 Length: 1841
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 6 Gaps: 0

US-10-689-742-160 (1-280) x AX403431 (1-1841)

QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20

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 QY 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgThrGluHis 40
 Db 204 AGCGCTCATTTCTCAAGCCCTCTGCCACACTCGGCATCCAGAGCCCGCGCCACAGAGCAC 263
 QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
 Db 264 AGGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCCCTGCTGACTTTGTGCTGGTG 323
 QY 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
 Db 324 CTGCTGATAGGCTGGCAGCCCTGGGCGCTTTTGTTCAGTACTACCCAGCTCTCCAAT 383
 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
 Db 384 ACTGCTCAAGACACCATTTCTCAANTGGAAGAAGATTAGGAATACTCGTCCCAAGAGTTG 443
 QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
 Db 444 CAATCTCTTCAAGTCCAGATATAAAGCTTGCAAGAACTCTGCAGCATGTGGCTGAAAAA 503
 QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 Db 504 CTCGTGCTGAGCTGTATAAAGCTGGAGCACACAGCTGCAGGCGCTTTGTACAGAACAA 563
 QY 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 Db 564 TGAATATGCGATGGAGACAATTCCTACCAAGTCTATAAAGACAGCAAAAGTTGGAGGAC 623
 QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
 Db 624 TGTAAATATTTCTGCTTAGTGAAACTCTACCATGCTGAAGATAAACAACAAGAGTAC 683
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTrpThrGlyLeu 200
 Db 684 CTGGAATTTGCGCGCTCTCAGAGTACTCTGAGTTCTTACTCTTATTGGACAGGCTT 743
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 Db 744 TTGCGCCCTGACAGTGGCAGGCGCTGGCTGTGGATGGATGGAACCCCTTTCTCTGAA 803
 QY 221 LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 Db 804 CTGTTCATATTTATATAGATGTACACGCCCAAGAGCAGAGACTGTGTGCCATCTC 863
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArg 260
 Db 864 AATGGATGATCTTCTCAAGGACTGCAAGAAATGAAGCGTTGTGTGTGAGAGAGG 923
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 Db 924 GCAGGAATGGTGAAGCCAGAGAGCTCCATGTCCCCCTGAAACATTTAGGCGAAGTGAC 983

RESULT 10

AX454580

LOCUS

AX454580

DEFINITION

Sequence 165 from Patent WO0208284.

ACCESSION

AX454580.1

VERSION

GI:21713914

KEYWORDS

Homo sapiens (human)

SOURCE

Homo sapiens

ORGANISM

Homo sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

AUTHORS

Baker, K.P., Ferrara, N., Gerber, H., Gerritsen, M.E., Goddard, A.,
Godowski, P., Gurney, A.L., Hillan, K.J., Marsters, S.A., Pan, J.,
Paoni, N.F., Stephan, J.P., Watanabe, C.K., Williams, P.M., Wood, W.I.
and Ye, W.

TITLE

Compositions and methods for the diagnosis and treatment of
disorders involving angiogenesis

JOURNAL Patent: WO 0208284-A 165 31-JAN-2002;
(US) ; Genentech, Inc. (US) ; Baker, Kevin P. (US) ; Ferrara, Napoleone
(US) ; Gerber, Hanspeter (US) ; Gerritsen, Mary E. (US) ; Goddard,
Audrey (US) ; Godowski, Paul J. (US) ; Gurney, Austin L. (US) ;
Hillman, Kenneth J. (US) ; Marsters, Scot A. (US) ; Pan, James (US)
; Paoni, Nicholas F. (US) ; Stephan, Jean-Philippe F. (US) ;
Watanabe, Colin K. (US) ; Williams, P. Mickey (US) ; Wood, William
I. (US)

FEATURES

Location/Qualifiers

1..1841
/organism="Homo sapiens"
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ORIGIN

Alignment Scores:
Pred. No.: 7,228-147 Length: 1841
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 6 Gaps: 0

US-10-689-742-160 (1-280) x AX454580 (1-1841)

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Qy 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHis 40
Db 204 AGCCTGCATTTCTCAAGCCTCTGCCACAACTGGCATCCAGAGCCCGGGCAGACGAC 263
Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuThrLeuThrCysLeuVal 60
Db 264 AGGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCTGCTGCTTGTGTGTG 323
Qy 61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
Db 324 CTGCTGTAGAGGTGGAGCCCTGGGGCTTTGTTTTTTCAGTACTACAGCTCTCCAA 383
Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
Db 384 ACTGGTCAAGACACCATTTCTCAATGGAAGAGATTAGGAAATACGTCCTCCAGAGTTG 443
Qy 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 444 CAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAA 503
Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
Db 504 CTGCTGTAGAGTGTATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAA 503
Qy 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
Db 564 TGGAAATGGCATGGAGACAAATGTCTACCATCTCTATAAAGACAGCAAAAGTTGGGAGG 623
Qy 161 CysLysTyrPheCysLeuSerGlnAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
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Qy 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
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Qy 221 LeuPheHisIleIleLeuAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
Db 804 CTGTTCCATATTATATAAGATGTCTACCAAGCCCAAGAGCAGAGACTGTGTGGCCATCTC 863

Qy 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
Db 864 AATGGGATGATCTTCTCAAGGACTGCAAGAGATTGAAGCGTTGTCTGTGAGAGAGG 923
Qy 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
Db 924 GCAGGAATGGTGAAGCCAGAGAGCCCTCATGTGCCCTTGAACATTTAGGCGAAGGTGAC 983

RESULT 11

AX464324

LOCUS

AX464324 Sequence 457 from Patent WO0140466. linear PAT 16-JUL-2002
DEFINITION

ACCESSION AX464324

VERSION AX464324.1 GI:21899178

KEYWORDS

SOURCE Homo sapiens (human)

ORGANISM

Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE

1
AUTHORS Baker, K.P., Beresini, M., Deforge, L., Deanovers, L., Filvaroff, E.,
Gao, W.Q., Gerritsen, M.E., Goddard, A., Godowski, P.J., Gurney, A.L.,
Sherwood, S., Smith, V., Stewart, T.A., Tumas, D., Watanabe, C.K.,
Wood, W.L. and Zhang, Z.

TITLE Secreted and transmembrane polypeptides and nucleic acids encoding

same

JOURNAL Patent: WO 0140466-A 457 07-JUN-2001;

Genentech Inc. (US)

FEATURES

Location/Qualifiers

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Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 6 Gaps: 0

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Db 204 AGCCTGCATTTCTCAAGCCTCTGCCACAACTGGCATCCAGAGCCCGGGCAGACGAC 263
Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuThrLeuThrCysLeuVal 60
Db 264 AGGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCTGCTGCTTGTGTGTG 323
Qy 61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
Db 324 CTGCTGTAGAGGTGGAGCCCTGGGGCTTTGTTTTTTCAGTACTACAGCTCTCCAA 383
Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
Db 384 ACTGGTCAAGACACCATTTCTCAATGGAAGAGATTAGGAAATACGTCCTCCAGAGTTG 443
Qy 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 444 CAATCTCTTCAAGTCCAGAAATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAA 503
Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
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QY 141 TtpLysTtpHisGlyAspAenCysTyrGlnPheTyrLysAspSerLysSerTtpGluAsp 160
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 QY 221 LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
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 QY 241 AenGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 Db 864 AATGGGATGATCTTCTCAAGGACTGTCAAGGAATTTGAAGCGTTGTCTGTGAGAGAAG 923
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 Db 924 GCAGGAATGGTGAAGCCAGAGAGCTTCATGTCCCCCTCGAAACATTAGGCGAAGGTGAC 983

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 AX491058
 LOCUS AX491058 1841 bp DNA linear PAT 16-AUG-2002
 DEFINITION Sequence 165 from Patent WO0200690.
 ACCESSION AX491058
 VERSION AX491058.1 GI:22323866
 KEYWORDS
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1
 AUTHORS Baker, K.P., Ferrara, N., Gerber, H., Gerritsen, M.E., Goddard, A.,
 Godowski, P.J., Gurney, A.L., Hillan, K.J., Maisters, S.A., Pan, J.,
 Paoni, N.F., Stephan, J.P., Watanabe, C.K., Williams, P.M., Wood, W.I.
 and Ye, W.
 TITLE Compositions and methods for the diagnosis and treatment of
 disorders involving angiogenesis
 JOURNAL Patent: WO 0200690-A 165 03-JAN-2002;
 Genentech, Inc. (US)

FEATURES
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 /organism="Homo sapiens"
 /mol_type="unassigned DNA"
 /db_xref="taxon:9606"

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 Pred. No.: 7,22e-147 Length: 1841
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 6 Gaps: 0

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 Db 564 TGGAAATGGCATGGAGACAAATGCTACCAATGCTCTATAAAGACAGCAAAAGTTGGAGGAC 623
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 Db 624 TGTAAATATTTCTGCTTGTAGTGAATACTTACCATGCTGAAGATAAACAACAGAGAC 683
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTtpThrGlyLeu 200
 Db 684 CTGGAATTTGGCGGCTCTCAGAGTACTCTGAGTTTCTTCTACTTTATTTGGACAGGCTT 743
 QY 201 LeuArgProAspSerGlyLysAlaTtpLeuTtpMetAspGlyThrProPheThrSerGlu 220
 Db 744 TTGGCCCTTCAGAGTGGCAGGCTGGCTGTGATGGATGGAAACCCCTTTCATCTCTGAA 803
 QY 221 LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 Db 804 CTGTTCCATATTATATATAGATGTACCCAGCAAGAGCAGAGACTGTGTGGCCATCTCTC 863
 QY 241 AenGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 Db 864 AATGGGATGATCTTCTCAAGGACTGTCAAGGAATTTGAAGCGTTGTCTGTGAGAGAAG 923
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 Db 924 GCAGGAATGGTGAAGCCAGAGAGCTTCATGTCCCCCTCGAAACATTAGGCGAAGGTGAC 983

RESULT 13
 AY358587
 LOCUS AY358587 1841 bp mRNA linear PRI 03-OCT-2003
 DEFINITION Homo sapiens clone DNAS9777 QAKY569 (UNQ569) mRNA, complete cds.
 ACCESSION AY358587
 VERSION AY358587.1 GI:37182295
 KEYWORDS
 SOURCE FLI CDNA.
 ORGANISM Homo sapiens (human)

REFERENCE
 AUTHORS
 1 (Bases 1 to 1841)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 Clark, H.F., Gurney, A.L., Abaya, E., Baker, K., Baldwin, D., Brush, J.,
 Chen, J., Chow, B., Chui, C., Crowley, C., Currell, B., Deuel, B.,
 Dowd, P., Eaton, D., Foster, J., Grimaldi, C., Gu, Q., Hase, P.E.,
 Heldens, S., Huang, A., Kim, H.S., Klimowski, L., Jin, Y., Johnson, S.,
 Lee, J., Lewis, L., Liao, D., Mark, M., Robbie, E., Sanchez, C.,
 Schoenfeld, J., Seshagiri, S., Simmons, L., Singh, J., Smith, V.,
 Stinson, J., Vagts, A., Vandlen, R., Watanabe, C., Weand, D., Woods, K.,
 Xie, M.H., Yansura, D., Yi, S., Yu, G., Yuan, J., Zhang, M., Zhang, Z.,
 Goddard, A., Wood, W.I. and Godowski, P.
 TITLE The Secreted Protein Discovery Initiative (SPDI), a Large-Scale
 Effort to Identify Novel Human Secreted and Transmembrane Proteins:
 A Bioinformatics Assessment
 JOURNAL Genome Res. 13 (10), 2265-2270 (2003)

12975309
2. (bases 1 to 1841)
AUTHORS
Clark, H. F.
TITLE
Direct Submission
JOURNAL
Submitted (01-AUG-2003) Department of Bioinformatics, Genentech,
Inc., 1 DNA Way, South San Francisco, CA 94080, USA

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EGGD"

ORIGIN
Alignment Scores:
Pred. No.: 7,22e-147 Length: 1841
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-689-742-160 (1-280) x AV358587 (1-1841)

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Db 144 ATGCAGCCCAAGTACACACACAGAGGACATGCTGGATGATGATGGGACACACCATG 203
Qy 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHis 40
Db 204 AGCGTGATTTCTCAAGCCTTCGCACAACTCGGCATCCAGAGCCCGCGCACAGAGCAC 263
Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
Db 264 AGGCGTCCCTCTTCAAGTCGCGACACAGTGGCCCTGACCCCTGCTGACTTTGTCTGGTG 323
Qy 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPheGlnIlyrTyrrGlnLeuSerAsn 80
Db 324 CTGCTGATAGGGGTGGCAGGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACCAAGTCTCCAAT 383
Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
Db 384 ACTGGTCAGACACCATTTCTCAATGGAAGAAGAATTAGAAATACGTCCCAAGAGTTG 443
Qy 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 444 CAATCTCTTCAAGTCCAGATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAAA 503
Qy 121 LeuCysArgGluLeuTyrrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
Db 504 CTCTGTCGTAGCTGTATAACAAGCTGGAGCACACAGGTGCGACCCCTTGTACAGAACA 563
Qy 141 TrpLysTrpHisGlyAspAsnCysTyrrGlnPheTyrrLysAspSerLysSerTrpGluAsp 160
Db 564 TGGAAATGGCAATGGAGCAATTGCTACCATTTCTATTAAGACAGCAAAAGTTGGAGGC 623
Qy 161 CysLysTyrrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180

Web site: <http://www-ehgc.stanford.edu>
 Contact: (Dickson, Mark) mcd@paxil.stanford.edu
 Dickson, M., Schmutz, J., Grimwood, J., Rodriguez, A., and Myers, R. M.
 Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/INL at: <http://image.llnl.gov>
 Series: IRAK Plate: 168 Row: k Column: 9
 This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 23503320.

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gene

CDS

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ORIGIN

Alignment Scores:

Pred. No.: 1,19e-146 Length: 2701
 Score: 1508.00 Matches: 280
 Percent Similarity: 100.00% Conservative: 0
 Best Local Similarity: 100.00% Mismatches: 0
 Query Match: 100.00% Indels: 0
 DB: 9 Gaps: 0

US-10-689-742-160 (1-280) x BC067746 (1-2701)

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 DB 64 ATGCAGGCCAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACACCATG 123
 QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHis 40
 DB 124 AGCCTGCAATTCACAGCTCTGCCAATCTGGCATCCAGAGCCCGCGCAGAGCAC 183
 QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuThrLeuVal 60
 DB 184 AGGGCTCCCTCTTCAACGTGGGACAGGCGCCCTGACCTGCTGCTGCTGCTGCTG 243
 QY 61 LeuLeuLeuGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
 DB 244 CTGCTGATAGGCTGGCAGCCCTGGGCTTTGTTTTCAGTACTACCATCTCCAT 303
 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
 DB 304 ACTGGTCAAGACACCATTTCTCAATGGAAGAAAGATTAGGAATACGTCCTCAAGATTG 363
 QY 101 GlnSerLeuGlnValGlnAsnIleLeuAlaGlySerLeuGlnHisValAlaGluLys 120

DB 364 CAATCTCTCAAGTCCAGATATATAAGCTTGCGAGGAGTCTCCAGCATGTGCTGAAAAA 423
 QY 121 LeuCyAspGluLeuTyrAsnLysAlaGlyAlaHisArgCySerProCySerThrGluGln 140
 DB 424 CTCTGCTGAGCTGTATATAACAAAGCTGGAGCACACAGGTGCGAGCCCTTGTACAGAACAA 483
 QY 141 TrpLysTrpHisGlyAspAsnCySerTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 DB 484 TGGAAATGGCATGGAGACAAATTTGCTACCAAGTTCTATAAGACAGCAAAAATTTGGGAGGAC 543
 QY 161 CySLysTyrPheCyLeuSerGluAsnSerThrMetLeuLeuIleAsnLysGlnGluAsp 180
 DB 544 TGTAAATATTCTGCTTAGTGAAAACCTCTACCATGCTGGAAGATTAACAACAGAGAC 603
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
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 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 DB 664 TTGCGCCCTGACAGTGGCAAGCCCTGGCTGGATGGATGGAAACCCCTTCTACTTCTGAA 723
 QY 221 LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 DB 724 CTGTTCCATATTATATAGATGTACACAGCCCAAGACAGACAGACTGTGTGCCATCTT 783
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 DB 784 AATGGATGATCTTCTCAAGAGCTGCAAGAAATTTGAAGCGTTGTCTGTGAGAGAGG 843
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
 DB 844 GCAGGAAGTGTGAAGCCAGAGAGCCCTCATGTGTCCTCCCTGAAACATTAGGCGAAGTGAC 903
 RESULT 15
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 LOCUS MGC:34328 IMAGE:5178017), complete cds.
 DEFINITION
 BC039072
 VERSION BC039072.1 GI:24660225
 KEYWORDS MGC.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 REFERENCE 1 (bases 1 to 1797)
 AUTHORS Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G., Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D., Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F., Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L., Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S., Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J., Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J., McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S., Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W., Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahey, J., Helton, E., Kettman, M., Madan, A., Rodrigues, S., Sanchez, A., Whiting, M., Madan, A., Young, A.C., Scherchenko, Y., Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D., Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M., Butlerfield, Y.S., Krzywinski, M.I., Skalska, U., Smalilus, D.E., Schnerch, A., Schein, J.E., Jones, S.J. and Marra, M.A.
 TITLE Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
 PUBMED 12477932
 REFERENCE 2 (bases 1 to 1797)
 AUTHORS Strausberg, R.
 TITLE Direct Submission
 JOURNAL Submitted (01-NOV-2002) National Institutes of Health, Mammalian

Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590, USA

REMARK NIH-MGC Project URL: <http://mgc.nci.nih.gov>

COMMENT Contact: MGC help desk

Email: cgapbs-remail.nih.gov

Tissue Procurement: Life Technologies, Inc.

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (ILLNL)

DNA Sequencing by: Baylor College of Medicine Human Genome

Sequencing Center

Center code: BCM-HGSC

Web site: <http://www.hgsc.bcm.tmc.edu/cdna/>

Contact: amgobcm.tmc.edu

Gunaratne, P.H., Garcia, A.M., Lu, X., Hulyk, S.W., Loulseged, H., Kowis, C.R., Sneed, A.J., Martin, R.G., Muzny, D.M., Nanavati, A.N., Gibbs, R.A.

Clone distribution: MGC clone distribution information can be found

through the I.M.A.G.E. Consortium/ILLNL at: <http://image.llnl.gov>

Series: IRAK Plate: 51 Row: 0 Column: 12

This clone was selected for full length sequencing because it

passed the following selection criteria: matched mRNA gi: 7706062.

FEATURES

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GEGD"

ORIGIN

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Query Match:	99.73%	Indels:	0
DB:	9	Gaps:	0

US-10-689-742-160 (1-280) x BC039072 (1-1797)

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Db	110	AGCCTGCATTCTCAAGGCTCTGCCCAACTCGGCATCCAGACCCCGGGGCACAGAGCAC	169
Qy	41	ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal	60

Db	170	AGGGCTCCCTCTTCAACGCTGGCGACCAAGTGGCCCTGACCCCTGCTGACTTTGTGCTGGTG	229
Qy	61	LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn	80
Db	230	CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTTCAGTACTACCACTCTCCAAAT	289
Qy	81	ThrGlyGlnAspThrIleSerGlnMetGluArgLeuGlyValAsnThrSerGlnGluLeu	100
Db	290	ACTGGTCAAGACACCAATTTCTCAATGGAGAAAGATTAGGAATACGTCCTCAAGAGTTG	349
Qy	101	GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys	120
Db	350	CAATCTCTTCAAGTCCAGAATATAAAGCTTCAGAGAGTCTGCAGCATGTGGCTGAAAAA	409
Qy	121	LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln	140
Db	410	CTCTGTCTGAGCTGTATATAAAGCTTCAGAGTTCAGAGTTCAGCCCTTGTACAGAACAA	469
Qy	141	TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp	160
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Db	530	TGTAATATATTCTGCCTTAGTGAATACTTACCACATGCTGAAGATAAACAACAAGAGAC	589
Qy	181	LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGluLeu	200
Db	590	CTGGAATTTGGCGGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTTGACACAGGCTT	649
Qy	201	LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu	220
Db	650	TTGGCCCTGACAGTGGCAAGCCCTGGCTGTGGATGGATGGAACCCCTTTTCACTTCGAA	709
Qy	221	LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu	240
Db	710	CTGTTCCATATTATAATAGATGTCAACAGCCCAAGACAGACACTGTGTGGCCATCCTT	769
Qy	241	AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg	260
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Qy	261	AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp	280
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Job time : 4265.3 secs

GenCore version 5.1.6
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OM protein - nucleic search, using frame_plus_p2n model

Run on: October 8, 2005, 00:39:18 ; Search time 198.068 Seconds
(without alignments)
2313.130 Million cell updates/sec

Title: US-10-689-742-160
Perfect score: 1508
Sequence: 1 NQAKVSTRDMLDDGGDTTM.....AGMKPESLHVPPETLGBGD 280

Scoring table: BLOSUM62

Xgapop 10.0	Xgapext 0.5
Ygapop 10.0	Ygapext 0.5
Fgapop 6.0	Fgapext 7.0
Delop 6.0	Delext 7.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-DB=Issued Patents NA -QWTF=fastap -SUFFIX=p2n.rml -MINMATCH=0.1 -LOPCFI=0
-LOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blosum62 -TRANS=human40.cdi
-LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100 -THR MIN=0 -ALIGN=15
-MODE=LOCAL -OUTFMT=pct -NORM=ext -HEAPSIZE=500 -MINLEN=0 -MAXLEN=2000000000
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-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7
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Database : Issued Patents NA:*

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- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	1465	97.1	1740	2	US-09-055-095-2
2	358	23.7	821	3	US-09-247-155-52
3	355.5	23.6	970	1	US-08-690-095-2
4	355.5	23.6	970	3	US-09-113-789-2
5	355.5	23.6	970	4	US-09-016-434-800
6	351.5	23.3	1737	4	US-09-482-273-34
7	308.5	20.5	1897	2	US-08-809-494A-1
8	308.5	20.5	1897	3	US-09-352-302-1
9	308.5	20.5	1906	2	US-08-809-494A-3
10	308.5	20.5	1906	3	US-09-352-302-3
11	301.5	20.0	1318	2	US-08-809-494A-5
12	301.5	20.0	1318	3	US-09-352-302-5

13	287.5	19.1	2298	3	US-08-772-440-1	Sequence 1, Appli
14	277	18.4	617	2	US-08-966-316-15	Sequence 15, Appli
15	251	16.6	990	2	US-08-688-342-2	Sequence 2, Appli
16	251	16.6	990	2	US-09-113-788-2	Sequence 2, Appli
17	251	16.6	990	4	US-09-016-434-804	Sequence 804, App
18	250	16.6	1092	4	US-09-898-554-19	Sequence 19, Appli
19	248.5	16.5	505	4	US-09-976-594-1045	Sequence 1045, Ap
20	245	16.2	721	4	US-09-898-554-28	Sequence 28, Appli
21	225.5	15.0	1192	4	US-09-898-554-12	Sequence 12, Appli
22	224	14.9	606	4	US-09-898-554-15	Sequence 15, Appli
23	223	14.8	1092	4	US-09-898-554-11	Sequence 11, Appli
24	221	14.7	744	4	US-09-898-554-13	Sequence 13, Appli
25	215	14.3	1241	4	US-09-949-016-2943	Sequence 2943, Ap
26	205.5	13.6	468	4	US-09-898-554-17	Sequence 17, Appli
27	203	13.5	871	1	US-08-650-578-1	Sequence 1, Appli
28	203	13.5	1364	4	US-09-949-016-329	Sequence 329, App
29	202	13.4	763	4	US-09-919-039-129	Sequence 129, App
30	200.5	13.3	621	4	US-09-898-554-25	Sequence 25, Appli
31	192	12.7	1271	4	US-09-949-016-931	Sequence 931, App
32	190	12.6	1104	3	US-09-111-470-1	Sequence 1, Appli
33	189.5	12.6	1104	4	US-09-862-802A-1	Sequence 27, Appli
34	189.5	12.6	712	4	US-09-898-554-27	Sequence 27, Appli
35	183.5	12.2	1348	4	US-09-949-016-4090	Sequence 4090, Ap
36	183.5	12.2	1372	4	US-09-949-016-4432	Sequence 4432, Ap
37	183.5	12.2	1372	4	US-09-949-016-4433	Sequence 4433, Ap
38	183	12.1	402	3	US-08-543-246B-10	Sequence 10, Appli
39	183	12.1	648	3	US-08-543-246B-14	Sequence 14, Appli
40	183	12.1	1755	3	US-08-543-246B-8	Sequence 8, Appli
41	180.5	12.0	378	3	US-08-772-440-9	Sequence 9, Appli
42	180.5	12.0	528	3	US-08-772-440-7	Sequence 7, Appli
43	172.5	11.4	1279	4	US-09-949-016-4430	Sequence 4430, Ap
44	172.5	11.4	1279	4	US-09-949-016-4431	Sequence 4431, Ap
45	171	11.3	1464	4	US-09-949-016-5720	Sequence 5720, Ap

ALIGNMENTS

RESULT 1
US-09-055-095-2
Sequence 2, Application US/09055095
Patent No. 5945308
GENERAL INFORMATION:
APPLICANT: Tang, Y. Tom
APPLICANT: Patterson, Chandra
APPLICANT: Corley, Neil C.
APPLICANT: Sather, Susan
TITLE OF INVENTION: HUMAN OXIDIZED LDL RECEPTOR
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Incyte Pharmaceuticals, Inc.
STREET: 3174 Porter Dr.
CITY: Palo Alto
STATE: CA
COUNTRY: USA
ZIP: 94304
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/055.095
FILING DATE: Filed Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0500 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-855-0555


```

; TELEFAX: 650-845-4166
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1740 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: LUNGN0T09
; CLONE: 1355922
US-09-055-095-2

Alignment Scores:
Pred. No.: 1.4e-171 Length: 1740
Score: 1465.00 Matches: 275
Percent Similarity: 94.50% Conservative: 0
Best Local Similarity: 94.50% Mismatches: 2
Query Match: 97.15% Indels: 14
DB: 2 Gaps: 1

US-10-689-742-160 (1-280) x US-09-055-095-2 (1-1740)

QY 4 LysTyrSerThrArgAspMetLeuAspAspGlyAspThrMetSerLeuHis 23
DB 5 AAGTACAGCAGCAGCAGGACATGCTGGATGATGATGGGACACCAACATGAGCCTGCAT 64

QY 24 SerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHisArgAlaPro 43
DB 65 TCTCAAGCCTGGCCACAGCTCGGCATCCAGAGCCCGGCACAGACAGAGGCTCCC 124

QY 44 SerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeuLeu 63
DB 125 TCTTCAACGTGGCGACAGTGGCCCTGACCCCTGCTGACTTTGTGCTGTGCTGATA 184

QY 64 GlyLeuAlaAlaLeuGlyLeuLeu----- 71
DB 185 GGGCTGGCAGCCCTGGGGCTTTTGTGTAAGTCTGCCTCANNCCCTGGGGGAGGATCCTGG 244

QY 72 -----PhePheGlnTyrTyrGlnLeuSerAnThrGlyGlnAspThrIleSerGlnMet 89
DB 245 TTCCAAGTTTTTCAGTACTACAGCTCTCCAAATCTGGTCAAGACACCATTTCTCAAATG 304

QY 90 GluGluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeuGlnValGlnAsnIleLys 109
DB 305 GAAGAAAGATTAGGAATACGTCCCAAGAGTTGCAATCTCTCAAGTCCAGATATAAAG 364

QY 110 LeuAlaGlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeuTyrAsnLysAla 129
DB 365 CTTCGAGGAAGTCTGCAGCATGTGGCTGAAAAACTCTCTCGTGAGCTGTATAACAAAGCT 424

QY 130 GlyAlaHisArgCysSerProCysThrGluGlnTTrpLysTTrpHisGlyAspAsnCysTyr 149
DB 425 GGAGCACACAGTGCAGCCCTTTGTACAGAACATGGAAATGGCATGGAGACAAATGCTAC 484

QY 150 GlnPheTyrLysAspSerLysSerTrpGluAspCysLysTyrPheCysLeuSerGluAsn 169
DB 485 CAGTTCTTATAAAGACAGCAAAAGTTGGGAGGAGCTGTAATAATTTCTGCTTAGTGAAGAC 544

QY 170 SerThrMetLeuLysIleAsnLysGlnGluAspLeuGluPheAlaAlaSerGlnSerTyr 189
DB 545 TCTACCATGCTCAAGATAACAAACAAGAAGACCTGGAAATTTGGCGCGCTCTCAGAGCTAC 604

QY 190 SerGluPhePheTyrSerTyrTrpThrGlyLeuLeuArgProAspSerGlyLysAlaTrp 209
DB 605 TCTGAGTTTTTCTACTCTATTGGACAGGCTTTTGGCCCTTGACAGTGGCAAGCCCTGG 664

QY 210 LeuTrpMetAspGlyThrProPheThrSerGluLeuPheHisIleIleAspValThr 229
DB 665 CTGTGATGGATGGAACCCCTTCTCACTTCTGAACCTGTTCCATATTATATATAGATGTACC 724

QY 230 SerProArgSerArgAspCysValAlaIleLeuAsnGlyMetIlePheSerLysAspCys 249
DB 725 AGCCCAAGAAGCAGAGACTGTGTGGCCATCCTTAATGGGATGATCTTCTCAAGGACTGC 784

QY 250 LysGluLeuLysArgCysValCysGluArgArgAlaGlyMetValLysProGluSerLeu 269
DB 785 AAGAAATTGAAGCGTTGTGTCTGTGAGAGAAGGCGAGGAATGGTGAAGCCAGAGCCTC 844

QY 270 HisValProGluThrLeuGlyGluGlyAsp 280
DB 845 CATGTCCCCCTGAAACATTAGGCGAAGGTGAC 877

RESULT 2
US-09-247-155-52
; Sequence 52, Application US/09247155A
; Patent No. 6312922
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, Jean-Baptiste
; APPLICANT: Duclert, Aymeric
; APPLICANT: Bougueleret, Lydie
; TITLE OF INVENTION: Complementary DNAs
; FILE REFERENCE: GENSET.021A
; CURRENT APPLICATION NUMBER: US/09/247,155A
; CURRENT FILING DATE: 1999-02-09
; EARLIER APPLICATION NUMBER: 60/074,121
; EARLIER FILING DATE: 1998-02-09
; EARLIER APPLICATION NUMBER: 60/081,563
; EARLIER FILING DATE: 1998-04-13
; EARLIER APPLICATION NUMBER: 60/096,116
; EARLIER FILING DATE: 1998-08-10
; EARLIER APPLICATION NUMBER: 60/099,273
; EARLIER FILING DATE: 1998-10-04
; NUMBER OF SEQ ID NOS: 182
; SOFTWARE: Patent.pm
; SEQ ID NO 52
; LENGTH: 821
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 46..732
; FEATURE:
; NAME/KEY: sig_peptide
; LOCATION: 46..186
; OTHER INFORMATION: Von Heijne matrix
; OTHER INFORMATION: score 9.4
; FEATURE: seq LILLILCVGMVVG/LV
; NAME/KEY: polyA_signal
; LOCATION: 781..786
; FEATURE:
; NAME/KEY: polyA_site
; LOCATION: 806..821
US-09-247-155-52

Alignment Scores:
Pred. No.: 1.77e-34 Length: 821
Score: 358.00 Matches: 80
Percent Similarity: 49.63% Conservative: 54
Best Local Similarity: 29.63% Mismatches: 92
Query Match: 23.74% Indels: 44
DB: 3 Gaps: 7

US-10-689-742-160 (1-280) x US-09-247-155-52 (1-821)

QY 7 SerThrArgAsp---MetLeuAspAspGlyAspThrThrMetSerLeuHisSerGln 25
DB 31 AGTACTCGGAGGCAATGCAGGATGAGATGATACATCACCTTAATAATATTAAACTCGG 90

QY 26 AlaSerAlaThrThrArgHisProGluProArgArgThrGluHisArgAlaProSerSer 45
DB 91 AAACAGCTCTCTGC-----TCCGTTGGCCCTGCATCCTCCTTC 129

QY 46 ThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeuLeuLeuLeu 65
DB 130 TGGTGGCGTGTGATGGCTTTGATTCTGCTGATCCTGCGTGGGATGGTTGTGCGGCTG 189
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Qy 259 ArgArgalaGlyMetVallys 265
 Db 888 AAGATGGCCAAATCCAGTGCAG 908

RESULT 4

US-09-113-789-2
 ; Sequence 2, Application US/09113789
 ; Patent No. 6034219
 ; GENERAL INFORMATION:
 ; APPLICANT: Hillman, Jennifer L.
 ; APPLICANT: Au-Young, Janice
 ; APPLICANT: Goli, Surya K.
 ; TITLE OF INVENTION: NOVEL HUMAN MACROPHAGE ANTIGEN
 ; NUMBER OF SEQUENCES: 9
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: U.S.
 ; ZIP: 94304

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq Version 1.5
 CURRENT APPLICATION DATA:
 FILING DATE: US/09/113,789
 PRIOR APPLICATION NUMBER: 08/690,095
 FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Billings, Lucy J.

REGISTRATION NUMBER: 36,749

REFERENCE/DOCKET NUMBER: PF-0110 US

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166

INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:

LENGTH: 970 base pairs

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: cDNA

IMMEDIATE SOURCE:

LIBRARY: MPNGNOT03

CLONE: 513418

US-09-113-789-2

Alignment Scores:

Pred. No.: 4,76e-34 Length: 970

Score: 355.50 Matches: 87

Percent Similarity: 49.80% Conservative: 36

Best Local Similarity: 35.22% Mismatches: 77

Query Match: 23.57% Indels: 47

DB: 3 Gaps: 9

US-10-689-742-160 (1-280) x US-09-113-789-2 (1-970)

Qy 42 AlaProSerSerThrTTPArgProValalaLeuThrLeuLeuThrLeuLeuValVal 61

Db 240 GCTCCCTCTCATGTATGGCGTCCAGACGCTTTCTGACCTTTCTGTGCTCTGTGTG 299

Qy 62 LeuileGlyLeuAlaalaLeuGlyLeuPheGlnTyrTyrGlnLeuSerAsnThr 81

Db 300 CTCATTGGATTGGAGCTTTCAGCATGTTTCATGTAACTTTGAAGATAGAA----- 353

Qy 82 GlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGln 101

Db 354 -----ATGAATAAATAATGAACAACTACAAACATCAGTGAAGAGCTCCAG 398

Qy 102 -----SerLeuGlnVal-----GlnAsnIle-----LysLeu 110
 Db 399 AGAAATATTCTCTACAACTGATGAGTAACATGATATCTCCAAACAGATCAGGAACCTC 458
 Qy 111 AlaGlySerLeuGlnHisValalaGluLysLeuCysArgGluLeuTyrAsnLysAlaGly 130
 Db 459 TCCACCACACTGCAAAACAATAGCCACCACAAATTAATGCTGTAGCTATATAGCAAGAACA 518
 Qy 131 AlahisargCysSerProCysThrGluGlnTyrPheHisGlyAspAsnCysTyrGln 150
 Db 519 GAGCACAAATTAAGCCTTGTCCAAGGAGATGGATTTGGCATAAGGACAGCTGTATTTC 578
 Qy 151 PheTyrLysAspSerLysSerTyrPheCysLysLeuSerGluAsnSer 170
 Db 579 CTAAGTGAATGATGCTCCAAACAATGCGAGAGTAAATGGCTGTGCTCAGATGCC 638
 Qy 171 ThrMetLeuLysIleAsnLysGlnGluAspLeuGluPheAlaIleSerGlnSerTyrSer 190
 Db 639 AGCCTGTTGAAGATAAACAACAAATGCAATGGAATTTATAAAATCCAGAGTAGATCA 698
 Qy 191 GluPhePheTyrSerTyrThrGlyLeu-----Leu 201
 Db 699 -----TATGACTATTGCTGGGATTATCTCTCGAAGAAGATTCCACTCGTGTATG 749
 Qy 202 ArgProAsp-----SerGlyLysAlaTyrMetAspGlyThrProPheThr 218
 Db 750 AGAGTGGATAATATATCACTCTCTGCTGGGTT---ATAAGAAACGCACTGACTTA 806
 Qy 219 SerGluLeuPheHisIleIleAspValThrSerProArgSerArgAspCysValala 238
 Db 807 AATAACATGTAT-----TGTGGATAT 827
 Qy 239 IleLeuAsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGlu 258
 Db 828 ATAAATAGACTATATGTTCAATATTATCACTGCATTTATAAAAAAAGAATGATATGTGAG 887
 Qy 259 ArgArgalaGlyMetVallys 265
 Db 888 AAGATGGCCAAATCCAGTGCAG 908
 RESULT 5
 ; US-09-016-434-800
 ; Sequence 800, Application US/09016434
 ; Patent No. 650938
 ; GENERAL INFORMATION:
 ; APPLICANT: Janice Au-Young
 ; APPLICANT: Jeffrey J. Seilhamer
 ; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
 ; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
 ; NUMBER OF SEQUENCES: 1490
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
 ; STREET: 3174 PORTER DRIVE
 ; CITY: PALO ALTO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/016,434
 ; FILING DATE: HEREWITH
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER:
 ; FILING DATE:
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Zeller, Karen J.

```
;
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 800:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 970 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: MPMGN0T03
; CLONE: 513418
;
US-09-016-434-800

Alignment Scores:
Pred. No.: 4,76e-34 Length: 970
Score: 355.50 Matches: 87
Percent Similarity: 49.80% Conservative: 36
Best Local Similarity: 35.22% Mismatches: 77
Query Match: 23.57% Indels: 47
DB: 4 Gaps: 9

US-10-689-742-160 (1-280) x US-09-016-434-800 (1-970)

QY 42 AlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuLeuThrLeuValLeu 61
Db 240 GCTCCCTCTCATGTATGGGCTCCAGCAGCCTTGTCTGACTCTTCTGCTCTTCTGCTTGTG 299
QY 62 LeuLeuGlyLeuAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsnThr 81
Db 300 CTCATTGGATGGAGCTGTGGCAGCATGTTTTCATGTAACTTTGAAGATAGAA----- 353
QY 82 GlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGln 101
Db 354 -----ATGAAAAAATGAACAACACTACAAAAACATCATGTGAAGAGCTCCAG 398
QY 102 -----SerLeuGlnVal-----GlnAsnIle-----LysLeu 110
Db 399 AGAAATATTCTCTACAACTGATGAGTAACATGAATATCTCCAACAAGATCAGGAACCTC 458
QY 111 AlaGlySerLeuGlnHisValAlaGluLeuLeuCysArgGluLeuTyrAsnLysAlaGly 130
Db 459 TCCACACACTGCACAAATAGCCACCAAAATATGCTGTGAGCTATATAGCAAGAACAA 518
QY 131 AlaHisArgCysSerProCysThrGluGlnTyrLysTrpHisGlyAspAsnCysTyrGln 150
Db 519 GAGCACAATGTAAAGCTTGTCCAGGAGATGGATTTGGCATAAGGACAGCTGTATTTC 578
QY 151 PheTyrLysAspSerLysSerTrpGluAspCysLysTyrPheCysLeuSerGluAsnSer 170
Db 579 CTAAGTGATGATGTCACAAATGGCAGGAGAGTAAATGGCCTGTGCTCAGAAATGCC 638
QY 171 ThrMetLeuLysIleAsnLysGlnGluAspLeuPheAlaAlaSerGlnSerTyrSer 190
Db 639 AGCGTGTGAAGATATAACAAACAAATAATGCATTGGAAATTTATAAATCCCAAGATAGACA 698
QY 191 GluPhePheTyrSerTyrTrpThrGlyLeu-----Leu 201
Db 699 -----TATGACTATTGGCTGGGATTTATCTCTGAGAGAGATTCCTCGTGGTATG 749
QY 202 ArgProAsp-----SerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThr 218
Db 750 AGAGTGGAATAATATAATCACTCTGCTGGGTT---ATAAGAAACGCACCTGACTTGA 806
QY 219 SerGluLeuPheHisIleIleIleValThrSerProArgSerArgAspCysValAla 238
Db 807 AATAACATGATAT-----TGTGGATAT 827
QY 239 IleLeuAsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGlu 258
Db 828 ATAATAGACTATATGTTCAATATTATCTGCACTTATAAAAAAAGAAATGATATGTGAG 887
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QY 259 ArgArgAlaGlyMetValLys 265
Db 888 AGATGGCCAATCCAGTGCAG 908

RESULT 6
US-09-482-273-34
; Sequence 34, Application US/09482273
; Patent No. 6534631
; GENERAL INFORMATION:
; APPLICANT: Rosen et al.
; TITLE OF INVENTION: 71 Human Secreted Proteins
; FILE REFERENCE: PZ030P1
; CURRENT APPLICATION NUMBER: US/09/482,273
; EARLIER APPLICATION NUMBER: PCT/US99/15849
; EARLIER FILING DATE: 1999-07-14
; EARLIER APPLICATION NUMBER: 60/092,921
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,922
; EARLIER FILING DATE: 1998-07-15
; EARLIER APPLICATION NUMBER: 60/092,956
; EARLIER FILING DATE: 1998-07-15
; NUMBER OF SEQ ID NOS: 267
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 34
; LENGTH: 1737
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1674)
; OTHER INFORMATION: n equals a,t,g, or c
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1731)
; OTHER INFORMATION: n equals a,t,g, or c
;
US-09-482-273-34

Alignment Scores:
Pred. No.: 3.87e-33 Length: 1737
Score: 351.50 Matches: 86
Percent Similarity: 49.80% Conservative: 37
Best Local Similarity: 34.82% Mismatches: 77
Query Match: 23.31% Indels: 47
DB: 4 Gaps: 9

US-10-689-742-160 (1-280) x US-09-482-273-34 (1-1737)

QY 42 AlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuLeuThrLeuValLeu 61
Db 292 GCTCCCTCTCATGTATGGGCTCCAGCAGCCTTGTCTGACTCTTCTGCTCTTCTGCTTGTG 351
QY 62 LeuLeuGlyLeuAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsnThr 81
Db 352 CTCATTGGATGGAGCTTGTGCAAGCATGTTTCATGTAACTTTGAAGATAGAA----- 405
QY 82 GlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGln 101
Db 406 -----ATGAAAAAATGAACAACACTACAAAAACATCATGTGAAGAGCTCCAG 450
QY 102 -----SerLeuGlnVal-----GlnAsnIle-----LysLeu 110
Db 451 AGAAATATTCTCTACAACTGATGAGTAACATGAATATCTCCAACAAGATCAGGAACCTC 510
QY 111 AlaGlySerLeuGlnHisValAlaGluLeuLeuCysArgGluLeuTyrAsnLysAlaGly 130
Db 511 TCCACACACTGCACAAACAAATAGCCACCAAAATATGCTGTGAGCTATATAGCAAGAACAA 570
QY 131 AlaHisArgCysSerProCysThrGluGlnTyrLysTrpHisGlyAspAsnCysTyrGln 150
Db 571 GAGCACAATGTAAAGCTTGTCCAAGGAGATGGATTTGGCATAAGGACAGCTGTATTTC 630
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QY 151 PhetyrLysAspSerLysSerTrpGluAspCysLysTyrPheCysLeuSerGluAsnSer 170
Db 631 CTAAGTGATGATGTCACAAACATGGCAGGAGTAAATGGCTGTGCTGCTCAGAAATGCC 690
QY 171 ThrMetLeuLysIleAsnLysGlnGluAspLeuGluPheAlaAAserGlnSerTyrSer 190
Db 691 AGCCTGTTGAAGATAAACAACAATAATGCATTGGAAATTTATAAAATCCAGAGTAGATCA 750
QY 191 GluPhePheTyrSerTyrTrpThrGlyLeu-----Leu 201
Db 751 -----TATGACTATTGGCTGGGATATCTCTGGAAGAGATTCACATCGGTGGTATG 801
QY 202 ArgProAsp-----SerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThr 218
Db 802 AGAGTGGATAATATAATCAATCACTCTGCTGGTGGTT---ATAAGAAACGCACCTGACTTA 858
QY 219 SerGluLeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAla 238
Db 859 AATAACATGTAT-----TGTTGGATAT 879
QY 239 IleLeuAsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGlu 258
Db 880 ATAAATAGACTATATGTTCAATATTATCACTGCACCTTATAACAAGAAATGATATGTGAG 939
QY 259 ArgArgAlaGlyMetValLys 265
Db 940 AAGATGGCCATCCAGTGCAG 960
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RESULT 7

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US-08-809-494A-1
; Sequence 1, Application US/08809494A
; Patent No. 5962260
; GENERAL INFORMATION:
; APPLICANT: Sawamura, Tatsuya
; APPLICANT: Masaki, Tomoo
; TITLE OF INVENTION: Modified Low-Density Lipoprotein
; TITLE OF INVENTION: Receptor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel
; STREET: 261 Madison Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10016-2391
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/809,494A
; FILING DATE: 24-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-321705
; FILING DATE: 30-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-214206
; FILING DATE: 31-JUL-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldberg, Jules E
; REGISTRATION NUMBER: 24408
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 986-4090
; TELEFAX: 212 818-9479
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1897 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Bos taurus
; TISSUE TYPE: Vascular endothelial cells
; IMMEDIATE SOURCE:
; LIBRARY: Bovine aortic endothelial cell cDNA
; CLONE: pBLOX-1
; FEATURE:
; NAME/KEY: polyA_site
; LOCATION: 1880..1897
; FEATURE:
; NAME/KEY: misc RNA
; LOCATION: 1859..1864
; OTHER INFORMATION: /function= "Polya Signal"
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 1..34
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 848..1897
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 35..847
; US-08-809-494A-1

Alignment Scores:
Pred. No.: 9.92e-28 Length: 1897
Score: 308.50 Matches: 80
Percent Similarity: 47.08% Conservative: 41
Best Local Similarity: 31.13% Mismatches: 111
Query Match: 20.46% Indels: 25
DB: 7

US-10-689-742-160 (1-280) x US-08-809-494A-1 (1-1897)
QY 33 ProGluProArgArgThrGluHisArgAlaProSerSerThrTrpArgProValAlaLeu 52
Db 83 CCAATGGCAAGACAGCAAAAGGTTTGTTCCTCTTGGAGGTGGTACCTGCTGCTGTG 142
QY 53 ThrLeuLeuThrLeuCysLeuValLeuLeuGlyLeuAlaLeuGlyLeuLeuPhe 72
Db 143 ACTCTAGGGGTCCTTGTCTGGGATTACTGTGTGACTGTATATATTGTTGATACTGCAATTA 202
QY 73 PheGlnTyrTyrGlnLeuSerAsnThrGlyGlnAspThrIleSerGlnMetGluGlu--- 91
Db 203 TCCCAGGTCTCTGATCTCATAAAGAAACAGCAAAATATTACTACCAGGAAGATATC 262
QY 92 -----ArgLeuGlyAsnThrSerGlnGlnLeuGlnSer 102
Db 263 CTGAGGGACAGATTTTAGCCCGCGCATCAGAAAAATCTGCCAGGAGTCACAGAAG 322
QY 103 LeuGlnValGlnAsnIleLys---LeuAlaGlySerLeuGlnHisValAlaGlyLysLeu 121
Db 323 GAACCTCAAAGAAATGATAGAAACCTTGTCCCAAGCTGGATGAGAAATCCAGAAACTA 382
QY 122 CysArgGluLeuTyrAsn-----LysAlaGlyAlaHis 132
Db 383 ---ATGGAACCTTCCGCCAGAACCTGAATCTCAAGAAGTTCTGAAAGAGCGCAGCAAC 439
QY 133 ArgCysSerProCysThrGluGlnTrpLysTrpHisGlyAspAsnCysTyrGlnPheTyr 152
Db 440 TATTGAGTCTCTTGTCCCCAAGACTGGCTCTGGCATGAGAAACTGTATTACCAATTTCC 499
QY 153 LysAspSerLysSerTrpGluAspCysLysTyrPheCysLeuSerGluAsnSerThrMet 172
Db 500 TCTGGCTCTTTTAATTGGAAAAAGCCAGGAGAACTGCTGTCTTTGGATGCCACTTG 559
QY 173 LeuLysIleAsnLysGlnGluAspLeuGluPheAlaAAserGlnSerTyrSerGluPhe 192
Db 560 CTGAAGATTATACGACAGATGAATTCGAATTC---ATCCAGCAAAATGATTTGCCATTC 616
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QY 193 PheTyrSerTyrThrThrGlyLeuLeuArgProAspSerGlyLysAlaTrpLeuTrpMet 212
Db 617 AGTTTCCCTTCGATGGGGTTGTCAATGAGAAACCAATTACTCGTGGCTTGGGAA 676
QY 213 AspGlyThrProPheThrSerGluLeuPheHisIle-----IleIleAspValThrSer 230
Db 677 GATGGTACTCCTTTGAGCCCACTTGTGTAGAAATTCAGGGAGCTGTTTCCCGTATGTAT 736
QY 231 ProArgSerArgAspCysValAlaIleLeuAsnGlyMetIlePheSerLysAspCysLys 250
Db 737 CCT---TCAGGGACCTGTGCATATATCAAGGGGAACCTGTTTCTGCTGAAAACCTGCATT 793
QY 251 GluLeuLysArgCysValCysGluArgAlaGlyMetValLysProGlu 267
Db 794 TTAAGTGCATTTCAGTATATGTCAAAAGAGGGCAATCTATTGAGACACAG 844

RESULT 8
US-09-352-302-1
Sequence 1, Application US/09352302
Patent No. 6197937
GENERAL INFORMATION:
APPLICANT: Sawamura, Tatsuya
APPLICANT: Masaki, Tomoo
TITLE OF INVENTION: Modified Low-Density Lipoprotein
TITLE OF INVENTION: Receptor
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESS: McAulay Fisher Nissen Goldberg & Kiel
CITY: New York
STATE: NY
COUNTRY: USA
ZIP: 10016-2391
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/352,302
FILING DATE: 12-JUL-1999
CLASSIFICATION:
PRIORITY INFORMATION:
APPLICATION NUMBER: JP 6-321705
FILING DATE: 30-NOV-1994
PRIORITY INFORMATION:
APPLICATION NUMBER: JP 7-214206
FILING DATE: 31-JUL-1995
ATTORNEY/AGENT INFORMATION:
NAME: Goldberg, Jules E
REGISTRATION NUMBER: 24408
REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212 986-4090
TELEFAX: 212 818-9479
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 1897 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cDNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: Bos taurus
TISSUE TYPE: Vascular endothelial cells
IMMEDIATE SOURCE:
LIBRARY: Bovine aortic endothelial cell cDNA
CLONE: pBLOX-1
FEATURE:
NAME/KEY: polyA site
LOCATION: 1880..1897

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FEATURE:
NAME/KEY: misc_RNA
LOCATION: 1859..1864
OTHER INFORMATION: /function= "PolyA Signal"
FEATURE:
NAME/KEY: 5'UTR
LOCATION: 1..34
FEATURE:
NAME/KEY: 3'UTR
LOCATION: 848..1897
FEATURE:
NAME/KEY: CDS
LOCATION: 35..847
US-09-352-302-1

Alignment Scores:
Pred. No.: 9,92e-28 Length: 1897
Score: 308.50 Matches: 80
Percent Similarity: 47.08% Conservative: 41
Best Local Similarity: 31.13% Mismatches: 111
Query Match: 20.46% Indels: 25
DB: 3 Gaps: 7

US-10-689-742-160 (1-280) x US-09-352-302-1 (1-1897)
QY 33 ProGluProArgArgThrGluHisArgAlaProSerSerThrTrpArgProValAlaLeu 52
Db 83 CCAAAATGGCAAGACAGCAAAAGGTTTGTCTCTTGGAGGTGTACCCCTCTGCTGTG 142
QY 53 ThrLeuLeuThrLeuCysLeuValLeuLeuIleGlyLeuAlaLeuAlaLeuLeuPhe 72
Db 143 ACTTAGGGTCTTGTGTGGATTAAGTGTGTATATTGTTGATCTGCATTA 202
QY 73 PheGlnTyrTyrGlnLeuSerAsnThrGlyGlnAspThrIleSerGlnMetGluGlu 91
Db 203 TCCAGGCTCTGTATCTCATAAAGAAACAGCAAGCAATATTTACTCACCAGGAAGATC 262
QY 92 -----ArgLeuGlyAsnThrSerGlnLeuGlnSer 102
Db 263 CTGGAGGGACAGATTTTAGCCCGCAGATCAGAAAATCTGCCAGGAGTCACAGAAG 322
QY 103 LeuGlnValGlnAsnIleLys---LeuAlaGlySerLeuGlnHisValAlaGlyLysLeu 121
Db 323 GAATCTCAAGAAATGATAGAAACCTTCCCAAGCTGGATGAGAAATCCAGAAACTA 382
QY 122 CysArgGluLeuTyrAsn-----LysAlaGlyAlaHis 132
Db 383 ---ATGGAACTTCACCGCAGAACCTGAATCTCCAAGAAGTTCTGAAAGAGGCAGCAAC 439
QY 133 ArgCysSerProCysThrGluGlnTrpLysTrpHisGlyAspAsnCysTyrGlnPheTyr 152
Db 440 TATTCAGGTCTCTTGTCCCAAGACTGTGGCATGAGAAACTGTTTACCAATTTTCC 499
QY 153 LysAspSerLysSerTrpGluAspCysLysTyrPheCysLeuSerGluAsnSerThrMet 172
Db 500 TCTGCTCTTTTAAITGGAAAAAGCCAGGAGAACTGCTGTCTTTTGGATGCCACTTG 559
QY 173 LeuLysIleAsnLysGlnGluAspLeuGluPheAlaIleAsnSerGlnSerTyrSerGluPhe 192
Db 560 CTGAAGATTAAATAGCACAGATGAATGCAATTC---ATCCAGCAAAATGATGCCCATTC 616
QY 193 PheTyrSerTyrTrpThrGlyLeuLeuArgProAspSerGlyLysAlaTrpLeuTrpMet 212
Db 617 AGTTTCCCTTCTGGATGGGTTGTCAATGAGGAAACCAATATCTCGTGGCTTTGGGAA 676
QY 213 AspGlyThrProPheThrSerGluLeuPheHisIle-----IleIleAspValThrSer 230
Db 677 GATGTACTCTCTTACCCCTTGTAGAAATTCAGGGAGCTGTTTCCCGTATGTAT 736
QY 231 ProArgSerArgAspCysValAlaIleLeuAsnGlyMetIlePheSerLysAspCysLys 250
Db 737 CCT---TCAGGGACCTGTGCATATATTCAAGGGGAACCTGTTTGTGCTGAAAACCTGCATT 793

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;; TITLE OF INVENTION: Receptor
;; NUMBER OF SEQUENCES: 8
;; CORRESPONDENCE ADDRESS:
;; ADDRESS: McAulay Fisher Nissen Goldberg & Kiel
;; STREET: 261 Madison Avenue
;; CITY: New York
;; STATE: NY
;; COUNTRY: USA
;; ZIP: 10016-2391
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent In Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/352,302
;; FILING DATE: 12-JUL-1999
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: JP 6-321705
;; FILING DATE: 30-NOV-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: JP 7-214206
;; FILING DATE: 31-JUL-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Goldberg, Jules E
;; REGISTRATION NUMBER: 24408
;; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 212 986-4090
;; TELEFAX: 212 818-9479
;; INFORMATION FOR SEQ ID NO: 3:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1906 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; HYPOTHETICAL: NO
;; ANTI-SENSE: NO
;; ORIGINAL SOURCE:
;; ORGANISM: Bos taurus
;; TISSUE TYPE: Vascular endothelial cells
;; IMMEDIATE SOURCE:
;; LIBRARY: Bovine aortic endothelial cells cDNA
;; CLONE: pBLOX-1
;; FEATURE:
;; NAME/KEY: polyA site
;; LOCATION: 1889..1906
;; FEATURE:
;; NAME/KEY: misc RNA
;; LOCATION: 1864..1873
;; OTHER INFORMATION: /function= "PolyA Signal"
;; FEATURE:
;; NAME/KEY: 5'UTR
;; LOCATION: 1..34
;; FEATURE:
;; NAME/KEY: 3'UTR
;; LOCATION: 857..1906
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 35..856
US-09-352-302-3
Alignment Scores:
Pred. No.: 18-27 Length: 1906
Score: 308.50 Matches: 80
Percent Similarity: 48.58% Conservative: 40
Best Local Similarity: 32.39% Mismatches: 100
Query Match: 20.46% Indels: 27
DB: 3 Gaps: 8
US-10-689-742-160 (1-280) x US-09-352-302-3 (1-1906)

QY 45 SerThrTrpArg-----ProValAlaLeuThrLeuLeuThrLeuLeuValLeuLeu 62
|||:|||||
Db 122 TCCTCTGGAGGTGGTACCTGCTGCTGCTAGGGGTCTTGTCTGGGATTACTG 181
QY 63 IleGlyLeuAlaAlaLeuGlyLeuPheGlnTyrTyrGlnLeuSerAsnThrGly 82
|||:|||||
Db 182 GTGACTGTTATATTGTTGATCTCAATTATCCAGGTCTCTCATTAAGAAACAG 241
QY 83 GlnAspThrIleSerGlnMetGluGlu-----Arg 92
|||:|||||
Db 242 CAAGCAAAATATTACTCACCAGGAAGATATCTCGAGGGACAGATTTTAGCCAGCGCGA 301
QY 93 LeuGlyAsnThrSerGlnGlnSerLeuGlnValGlnAsnIleLys---LeuAla 111
|||:|||||
Db 302 TCAGAAAAATCTGCCAGGAGTCAAGAAAGAACTCAAGAAATGATAGAAACCCCTGCC 361
QY 112 GlySerLeuGlnHisValAlaGluLeuLysCysArgGluLeuTyrAsn----- 127
|||:|||||
Db 362 CACAAGCTGGATGAGAAATCCAGAACTA---ATGGAACTTCCCGCCAGAACCTGAAT 418
QY 128 -----LysAlaGlyAlaHisArgCysSerProCysThrGluGlnTrpLys 142
|||:|||||
Db 419 CTCCAAGAGTTCTGAAAGAGGAGCAAACTATTTCAGTCTCTTGTCCCAAGACTGGCTC 478
QY 143 TrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAspCysLys 162
|||:|||||
Db 479 TGGCATGAAGAAACTGTTACCAATTTTCTCTGGCTCTTTTAATTGGGAAAAAGCCAG 538
QY 163 TyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAspLeuGlu 182
|||:|||||
Db 539 GAGAACTGCTTGTCTTGGATGCCACTTGTCTGAAGATTAAATAGCAGATGAATGGAA 598
QY 183 PheAlaAlaSerGlnSerTyrSerGluPhePheTyrTyrTrpThrGlyLeuLeuArg 202
|||:|||||
Db 599 TTC---ATCCAGCAAAATGATGCCCATTCAGTTCCCTTCTGGATGGGTTGTCAATG 655
QY 203 ProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGluLeuPhe 222
|||:|||||
Db 656 AGGAAACCAATTACTGCTGGCTTTGGAGAGATGCTACTCTCTTGAGCCCTTGTGT 715
QY 223 HisIle-----IleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
|||:|||||
Db 716 AGAATTGAGGAGCTGTTTCCCGTATGATCTCT---TCAGGAGCTGTGCATATATTCAA 772
QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
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Db 773 AGGGAACTGTTTGTCTGAAACTGCATTTTAAGTGCATTCAGTATATGTCAAAAGAG 832
QY 261 AlaGlyMetValLysProGlu 267
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Db 833 GCGAATCTATTGAGAGCAGCAG 853

RESULT 11

US-08-809-494A-5
; Sequence 5, Application US/08809494A
; Patent No. 5962260
; GENERAL INFORMATION:
; APPLICANT: Sawamura, Tatsuya
; APPLICANT: Masaki, Tomoo
; TITLE OF INVENTION: Modified Low-Density Lipoprotein
; TITLE OF INVENTION: Receptor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: McAulay Fisher Nissen Goldberg & Kiel
; STREET: 261 Madison Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10016-2391
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

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; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/809,494A
; FILING DATE: 24-MAR-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-321705
; FILING DATE: 30-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-214206
; FILING DATE: 31-JUL-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldberg, Jules E
; REGISTRATION NUMBER: 24408
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 986-4090
; TELEFAX: 212 818-9479
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1318 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; ORIGINAL SOURCE:
; ORGANISM: Homo Sapiens
; TISSUE TYPE: Lung, placenta
; IMMEDIATE SOURCE:
; LIBRARY: Human lung cDNA
; CLONE: lambdaBdahlOX-1
; FEATURE:
; NAME/KEY: 5'UTR
; LOCATION: 66..125
; FEATURE:
; NAME/KEY: 3'UTR
; LOCATION: 949..1309
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 127..948
;
; US-08-809-494A-5
;
; Alignment Scores:
; Pred. No.: 4,068-27 Length: 1318
; Score: 301.50 Matches: 75
; Percent Similarity: 42.97% Conservative: 35
; Best Local Similarity: 29.30% Mismatches: 93
; Query Match: 19.99% Indels: 53
; DB: 2 Gaps: 7
;
; US-10-689-742-160 (1-280) x US-08-809-494A-5 (1-1318)
;
; Qy 44 SerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeuLeuLe 63
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
; Db 220 TCTCCATGGTGGTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGGCTGG 279
;
; Qy 64 GlyLeuAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeu----- 78
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;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
; Qy 78 ----- 78
;
; Db 340 GAAACCTAACTACCAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGAAAGCA 399
;
; Qy 79 -----SerAsnThrGlyGlnAspThrIleSerGlnMetGluGlu 91
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
; Db 400 GAAGAGCTTCACAGAGTCAAGAAACGAACCTCAAGGAAATGATAGAAACCTTGGTGG 459
;
; Qy 92 ArgLeuGlyAsnThrSerGlnGlnLeuGlnSerLeuGlnValGlnAsnIleLeuAla 111
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
;
; Db 460 AAGCTGAATGAGAAATCCAAAGAGCAAAATGGAATTCACCAAGCAAAATCTGAATCTCAA 519
;
; Qy 112 GlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeuTyrAsnLysAlaGlyAla 131
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
; Db 520 GAAACACTGAAGAGAGTAGCA----- 540
;
; Qy 132 HisArgCysSer---ProCysThrGluGlnTrpLysTrpHisGlyAspAsnCysTyrGln 150
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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;
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; Qy 171 ThrMetLeuLysIleAsnLysGlnGluAspLeuGluPheAlaAlaSerGln---SerTyr 189
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
; Db 658 AAGTGTCTGAAAATTAATAGCACAGCTGATCTGGACTTCATCCAGCAAGCAATTCCTAT 717
;
; Qy 190 SerGluPhePheTyrSerTyrTrpThrGlyLeuLeuArgProAspSerGlyLysAlaTrp 209
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
; Db 718 TCCAGTTT-----CCATTCTGGATGGGCTGTCTCGGAGGAACCCAGCTACCCATGG 771
;
; Qy 210 LeuTrpMetAspGlyThrProPheThrSerGluLeuPheHisIle-----IleLeuAsp 227
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
; Db 772 CTCTGGGAGGACGGTCTCTCTTTCATGCCCCACTTATTTAGAGTCCGAGGGCGTGTCTCC 831
;
; Qy 228 ValThrSerProArgSerArgAspCysValAlaIleLeuAsnGlyMetIlePheSerLys 247
;   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
; Db 832 CAGACATACCT---TCAGTACTCTGTGCATATATACACGAGGAGCTGTTTATCGGAA 888
;
; Qy 248 AspCysLysGluLeuLysArgCysValCysGluArgAlaGlyMet 263
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;
; RESULT 12
; US-09-352-302-5
; Sequence 5, Application US/09352302
; Patent No. 6197937
; GENERAL INFORMATION:
; APPLICANT: Sawamura, Tatsuya
; APPLICANT: Masaki, Tomoo
; TITLE OF INVENTION: Modified Low-Density Lipoprotein
; TITLE OF INVENTION: Receptor
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESS: McAnulay Fisher Nissen Goldberg & Kiel
; STREET: 261 Madison Avenue
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10016-2391
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/352,302
; FILING DATE: 12-JUL-1999
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 6-321705
; FILING DATE: 30-NOV-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: JP 7-214206
; FILING DATE: 31-JUL-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Goldberg, Jules E
; REGISTRATION NUMBER: 24408
; REFERENCE/DOCKET NUMBER: JG-YY-4363PCT/D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212 986-4090
; TELEFAX: 212 818-9479

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; INFORMATION FOR SEQ ID NO: 5:

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; SEQUENCE CHARACTERISTICS:
;   LENGTH: 1318 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA
;   HYPOTHETICAL: NO
;   ANTI-SENSE: NO
;   ORIGINAL SOURCE:
;     ORGANISM: Homo Sapiens
;     TISSUE TYPE: Lung, placenta
;   IMMEDIATE SOURCE:
;     LIBRARY: Human lung cDNA
;     CLONE: lambdaLOX-1
;   FEATURE:
;     NAME/KEY: 5'UTR
;     LOCATION: 66..125
;   FEATURE:
;     NAME/KEY: 3'UTR
;     LOCATION: 949..1309
;   FEATURE:
;     NAME/KEY: CDS
;     LOCATION: 127..948
; US-09-352-302-5

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Alignment Scores:

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Pred. No.: 4,06e-27 Length: 1318
Score: 301.50 Matches: 75
Percent Similarity: 42.97% Conservative: 35
Best Local Similarity: 23.30% Mismatches: 93
Query Match: 19.99% Indels: 53
DB: 3 Gaps: 7

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US-10-689-742-160 (1-280) x US-09-352-302-5 (1-1318)

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QY 44 SerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeuLeuLe 63
DB 220 TCTCCATGCTGGTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 279
QY 64 GlyLeuAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeu----- 78
DB 280 ACCATATGCTGCTGGGCAATTAATCCAGGTTCTGACCTCTTAACACAGAGCAA 339
QY 78 ----- 78
DB 340 GCACAACTAACTCACAGAAAAAGAACTGGAGGACAGATCTCAGCCGGCAACAGCA 399
QY 79 -----SerAsnThrGlyGlnAspThrIleSerGlnMetGluGlu 91
DB 400 GAAGAAGCTTTCACAGAGTTCAGAAACGAACTCAAGGAAATGATAGAAACCTTGTCTCGG 459
QY 92 ArgLeuGlyAsnThrSerGlnGlnLeuGlnValGlnAsnIleLysLeuAla 111
DB 460 AAGCTGAATGAGAAATCCAAAGAGCAATGGAACCTCACCACCAAGAACTGAATCTCAA 519
QY 112 GlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeuTyrAsnLysAlaGlyAla 131
DB 520 GAACACTGAAGAGAGTAGCA----- 540
QY 132 HisArgCysSer---ProCysThrGluGlnTrpLysTrpHisGlyAspAsnCysTyrGln 150
DB 541 ---AATGTGTTACGCTCTTGTCCGCAAGACTGGATCTGGCATGGAGAAACCTTTACCTA 597
QY 151 PheTyrLysAspSerLysSerTrpGluAspCysLysTyrPheCysLeuSerGluAsnSer 170
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QY 171 ThrMetLeuLysIleAsnLysGlnGluAspLeuGluPheAlaAlaSerGln---SerTyr 189
DB 658 AAGTTGCTGAATTAATAGCACACTGATCTGGACTTCATCCAGCAAGCAATTCCTAT 717
QY 190 SerGluPhePheTyrSerTyrTrpThrGlyLeuLeuArgProAspSerGlyLysAlaTrp 209

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DB 718 TCCAGTTTT-----CCATTCTGGATGGGCTGTCTCGAGGAACCCCGACTACCATGG 771
QY 210 LeuTrpMetAspGlyThrProPheThrSerGluLeuPheHisIle-----IleIleAsp 227
DB 772 CTCTGGGAGGACGGTCTCTCTTTGATGCCACCTTATTTAGAGTCCGAGGCGCTGTCTCC 831
QY 228 ValThrSerProArgSerArgAspCysValAlaIleLeuAsnGlyMetIlePheSerLys 247
DB 832 CAGACATACCTC---TCAGGTACCTGTGCATATATACACGAGGAGCTGTTTATCGGAA 888
QY 248 AspCysLysGluLeuLysArgCysValCysGluArgArgAlaGlyMet 263
DB 889 AACTGATTTAGTGCCTTCAGTATATGTTCAGAGAAGAGCAACCTA 936

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RESULT 13

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; US-08-772-440-1
; Sequence 1, Application US/08772440
; Patent No. 6046158
; GENERAL INFORMATION:
;   APPLICANT: Ariizumi, Kiyoshi
;   APPLICANT: Takashima, Akira
;   TITLE OF INVENTION: UNIQUE DENDRITIC CELL-ASSOCIATED C-TYPE
;   TITLE OF INVENTION: LECTINS, DECTIN-1 AND DECTIN-2; COMPOSITIONS AND USES
;   TITLE OF INVENTION: THEREOF
;   NUMBER OF SEQUENCES: 42
;   CORRESPONDENCE ADDRESS:
;     ADDRESS: Arnold, White & Durkee
;     STREET: P.O. Box 4433
;     CITY: Houston
;     STATE: Texas
;     COUNTRY: USA
;     ZIP: 77210
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: Patentin Release #1.0, Version #1.30
;     CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/772,440
;     FILING DATE: CONCURRENTLY HEREWITH
;     CLASSIFICATION: 435
;     ATTORNEY/AGENT INFORMATION:
;       NAME: Parker, David L.
;       REGISTRATION NUMBER: 32,165
;       REFERENCE/DOCKET NUMBER: UTXD:493
;     TELECOMMUNICATION INFORMATION:
;       TELEPHONE: 512/418-3000
;       TELEFAX: 512/474-7577
;     INFORMATION FOR SEQ ID NO: 1:
;       SEQUENCE CHARACTERISTICS:
;         LENGTH: 2298 base pairs
;         TYPE: nucleic acid
;         STRANDEDNESS: single
;         TOPOLOGY: linear
;       FEATURE:
;         NAME/KEY: modified_base
;         LOCATION: 1966
;         OTHER INFORMATION: /mod_base= OTHER
;         OTHER INFORMATION: /note= "Y = C or T"
; US-08-772-440-1

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Alignment Scores:
Pred. No.: 5.54e-25 Length: 2298
Score: 287.50 Matches: 79
Percent Similarity: 45.21% Conservative: 39
Best Local Similarity: 30.27% Mismatches: 118
Query Match: 19.06% Indels: 25
DB: 3 Gaps: 8

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US-10-689-742-160 (1-280) x US-08-772-440-1 (1-2298)

QY 4 LysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMetSerLeuHis 23

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Db 92 AAATATCACTCTCATATAGAAATCTGGATGAAGATGGATATCAATAGACTTCAGC 151
Qy 24 SerGlnAlaSerAlaThrArgHisProGluProArgArgThrGlu-----HisArg 41
Db 152 ACTCAA-----GACATCCATAAAGGCCAGGGATCAGAAAGAGCGCG 199
Qy 42 AlaProSerSerThrTrrArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeu 61
Db 200 GCTCCATCTTCACCTTGGAGGCCATTGCGAGTGGGTTAGGAACTCTGTGTGTGTA 259
Qy 62 LeuLeuGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsnThr 81
Db 260 GTAGTGGTGTGTCAGTCTGGTCCCTAGCAATTTGGCGACAC-----AATCA 310
Qy 82 GlyGlnAspThrIleSerGlnMetCgluGluArgLeuGlyAsnThrSerGlnGluLeu 101
Db 311 GGGAGAAATCCA-----GAGGAGAAA-----GACAACTTCCTTA 343
Qy 102 SerLeuGlnValGlnAsnIleLeuLeuAlaGlySerLeuGlnHisValAlaGluLeu 121
Db 344 TCAGAAATAAGAGAACACACAGCCACAGNATCA-----TCTTAGATGAGAGGTG 397
Qy 122 CysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGlnTrr 141
Db 398 GCTCCCTCAAGGCATCCCAAACTACAGGAGGTTTTCTCAGTCTTGCCTTCTTAATGG 457
Qy 142 LysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAspCys 161
Db 458 ATCATGCGATGGAAGAGCTGTACTATTATGCTTCTCAGGAATTCCTGTGTATGGAGT 517
Qy 162 LysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAspLeu 181
Db 518 AAGAGACACTGCTCCACCTAGGTGCTCATCTACTGAGATGAGACAACTCAAGAATTT 577
Qy 182 GluPheAlaAlaSerGlnSerTyrSerGluPheTyrSerTyrTrpThrGlyLeuLeu 201
Db 578 GAGTTCAATTGAAGCGCAACATCGCTCACCGTATTATGCAATTTTGGATAGGCTTTCC 637
Qy 202 ArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGluLeu 221
Db 638 CGCAATCAGATGAAGGCCCATGGTCTGGGAGATGGATCAGCATTTCTCCCAACTCG 697
Qy 222 PheHisIleIleAspValThrSerProArgSer-----ArgAspCysValAla 238
Db 698 TTTCAA-----GTCAGAAATACAGTTCCTCCAGGAAGCTTACTGCACAAATGTGTATGG 751
Qy 239 IleLeuAsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGlu 258
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Qy 259 Arg 259
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RESULT 14

US-08-966-316-15

; Sequence 15, Application US/08966316

; Patent No. 5932445

; GENERAL INFORMATION:

; APPLICANT: Lal, Preeti

; APPLICANT: Au-Young, Janice

; APPLICANT: Reddy, Roopa

; APPLICANT: Murry, Lynn E.

; APPLICANT: Mathur, Preete

; TITLE OF INVENTION: SIGNAL PEPTIDE - CONTAINING PROTEINS

; NUMBER OF SEQUENCES: 18

; CORRESPONDENCE ADDRESS:

; STREET: Incyte Pharmaceuticals, Inc.

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FastSeq for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/966,316

; FILING DATE: Herewith

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER:

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Billings, Lucy J.

; REGISTRATION NUMBER: 36,749

; REFERENCE/DOCKET NUMBER: PF-0424 US

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-855-0555

; TELEFAX: 650-845-4166

; TELEX:

; INFORMATION FOR SEQ ID NO: 15:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 617 base pairs

; TYPE: nucleic acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: cDNA

; IMMEDIATE SOURCE:

; LIBRARY: LUNGN0T04

; CLONE: 764465

; US-08-966-316-15

Alignment Scores:

Pred. No.:	1,31e-24	Length:	617
Score:	277.00	Matches:	69
Percent Similarity:	50.22%	Conservative:	45
Best Local Similarity:	30.40%	Mismatches:	71
Query Match:	18.37%	Indels:	44
DB:	2	Gaps:	6

US-10-689-742-160 (1-280) x US-08-966-316-15 (1-617)

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Qy 7 SerThrArgAsp---MetLeuAspAspGlyAspThrThrMetSerLeuHisSerGln 25
Db 43 AGTACTCGGAGCCATGCAGGATGAAGATGGATACATCACCTTAATAATTAAACTCG 102
Qy 26 AlaSerAlaThrThrArgHisProGluProArgArgThrGluHisArgAlaProSerSer 45
Db 103 AAACCAGCTCTCGTC-----TCCGTTGGCCCTGCATCCTCCTCC 141
Qy 46 ThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeuLeuLeu 65
Db 142 TGGTGGCGGTGTGATGGCTTTGATTCTGCTGATCTGCTGGGGATGGTGTGCGGCTG 201
Qy 66 AlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsnThrGlyGlnAspThr 85
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Qy 86 IleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeuGlnVal 105
Db 220 ---TCTGTCATGCAGCGCAATTAC-----CTACAAGAT 249
Qy 106 GluAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeu 125
Db 250 GAGAAATGAAATCGCAGGAACCTCTGCAACAATAGAACGCGCTTCTGTCAATATGTG 309
Qy 126 Tyr-AsnLysAlaGly-----AlaHisArgCysSerProCysThrGln 139
Db 310 GTAAACAACATCAGAACTAAAGGCGCACTTTCAAGGTCATAAATGCGCCCTCTGACAC 369
Qy 139 uGlnTrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGln 159
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 QY 159 uAspCysLysTyrPheCysLeuSerGluAenSerThrMetLeuLysIleAenLysGlnG1 179
 Db 430 AGAGAGTAAGCAGTACTGCACTGACATGAATGCTACTCTCTGCAAGATTGACAAACGGAA 489
 QY 179 uAspLeuGluPheAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrG1 199
 Db 490 CATTGGGAGTACAT-CAAGCCAG-----GACTCATTTAATTCGTT-TGGGTGNG 538
 QY 199 yLeuLeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSe 219
 Db 539 ATTATCTCCGAGAGTCCGAGTCTGGAAGTGGGANGATGGCTCGGGTATCTCAGN 598
 QY 219 rGluLeuPheHisIleIle 225
 Db 599 AAATATGNTTGGATTTTG 617

RESULT 15

US-08-688-342-2
 ; Sequence 2, Application US/08688342
 ; Patent No. 5871964
 ; GENERAL INFORMATION:
 ; APPLICANT: Au-Young, Janice
 ; APPLICANT: Cocks, Benjamin G.
 ; APPLICANT: Goli, Surya K.
 ; APPLICANT: Hillman, Jennifer L.
 ; TITLE OF INVENTION: NOVEL HUMAN C-TYPE LECTIN
 ; NUMBER OF SEQUENCES: 5
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Incyte Pharmaceuticals, Inc.
 ; STREET: 3174 Porter Drive
 ; CITY: Palo Alto
 ; STATE: CA
 ; COUNTRY: US
 ; ZIP: 94304
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette
 ; COMPUTER: IBM Compatible
 ; OPERATING SYSTEM: DOS
 ; SOFTWARE: FastSEQ Version 1.5
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/688,342
 ; FILING DATE: Filed Herewith
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Billings, Lucy J.
 ; REGISTRATION NUMBER: 36,749
 ; REFERENCE/DOCKET NUMBER: PF-0095-1 CIP
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 415-855-0555
 ; TELEFAX: 415-845-4166
 ; INFORMATION FOR SEQ ID NO: 2:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 990 base pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: cDNA
 ; IMMEDIATE SOURCE:
 ; LIBRARY: MMLRIDT01
 ; CLONE: 515847
 US-08-688-342-2

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Pred. No.: 4,848-21 Length: 990
 Score: 251.00 Matches: 70
 Percent Similarity: 37.55% Conservative: 28
 Best Local Similarity: 26.82% Mismatches: 101
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 DB: 2 Gaps: 4

US-10-689-742-160 (1-280) x US-08-688-342-2 (1-990)

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 Db 78 GAATATCATCTCCGATTTAGAAAATTTGGATGAAGATGGATATACT-----CAATTACAT 131
 QY 24 SerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHisArgAlaPro 43
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 QY 44 SerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeuLeu 63
 Db 192 TCTCCTCTCTGGCGCTCATCTGTAATTTTGGAAATCTATGCTGTGTAATCTGCTG 251
 QY 64 GlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsnThrGlyGln 83
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 QY 84 AspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeu 103
 Db 275 ----- 275
 QY 104 GlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaAlaGluLysLeuCysArg 123
 Db 276 -----GGGTTCTTTCC----- 287
 QY 124 GluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGlnTrpLysTrp 143
 Db 288 -----AGCCCTTGTCTCTCTTAATTTGGATTATA 314
 QY 144 HisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAspCysLysTyr 163
 Db 315 TATGAGAAGAGCTGTATTCTATTTCAGCATGTCACTAAATTCCTGGGATGGAAGTAAAGA 374
 QY 164 PheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAspLeuGluPhe 183
 Db 375 CAATGCTGGCAACTGGGCTCTAATCTCTCTAAGATAGACAGCTCAATGAATGGGATTT 434
 QY 184 AlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeuLeuArgPro 203
 Db 435 ATAGTAAACCAAGTGTCTTCCCACTGATAATTCATTTGGATAGGCGCTTTCTCGGCC 494
 QY 204 AspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGluLeuPheHis 223
 Db 495 CAGACTGAGGTACCATGCTCTGGGAGGATGATCAACATCTCTCTTAACCTATTTCAG 554
 QY 224 IleIleIleAspValThrSerProArg---SerArgAspCysValAlaIleLeuAsnGly 242
 Db 555 ATCAGAACCCACAGCTACCCAGAAACCCATCTCCAATTTGTATGATGATTCACGTGCA 614
 QY 243 MetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgAlaGly 262
 Db 615 GTCATTTATGACCAACTGTGTAGTGTGCCCTCATATAGTATTGTTGTGAGAAGAAGTTTCA 674
 QY 263 Met 263
 Db 675 ATG 677

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 Job time : 205.068 secs

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GenCore version 5.1.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

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Pred. No. is the number of results predicted by chance to have a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
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2	1508	100.0	1841	9 US-09-989-722-318	Sequence 318, App
3	1508	100.0	1841	9 US-09-989-723-318	Sequence 318, App
4	1508	100.0	1841	9 US-09-989-729-318	Sequence 318, App
5	1508	100.0	1841	9 US-09-989-727-318	Sequence 318, App
6	1508	100.0	1841	9 US-09-989-731-318	Sequence 318, App
7	1508	100.0	1841	9 US-09-989-732-318	Sequence 318, App
8	1508	100.0	1841	9 US-09-991-073-318	Sequence 318, App
9	1508	100.0	1841	9 US-09-990-442-318	Sequence 318, App
10	1508	100.0	1841	9 US-09-991-163-318	Sequence 318, App
11	1508	100.0	1841	9 US-09-993-604-318	Sequence 318, App
12	1508	100.0	1841	9 US-09-990-456-318	Sequence 318, App
13	1508	100.0	1841	9 US-09-989-721-318	Sequence 318, App
14	1508	100.0	1841	9 US-09-992-598-318	Sequence 318, App
15	1508	100.0	1841	9 US-09-989-293A-318	Sequence 318, App
16	1508	100.0	1841	9 US-09-989-735-318	Sequence 318, App
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18	1508	100.0	1841	9 US-09-991-181-318	Sequence 318, App
19	1508	100.0	1841	9 US-09-989-730-318	Sequence 318, App
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21	1508	100.0	1841	9 US-09-993-687-318	Sequence 318, App
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32	1508	100.0	1841	10 US-09-990-711-318	Sequence 318, App
33	1508	100.0	1841	10 US-09-989-726-318	Sequence 318, App
34	1508	100.0	1841	10 US-09-998-156-318	Sequence 318, App
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45	1508	100.0	1841	10 US-09-997-628-318	Sequence 318, App

ALIGNMENTS

RESULT 1
US-09-746-783-159
; Sequence 159, Application US/09746783
; Publication No. US20030044935A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; McCoy, John M.
; LaVallie, Edward R.
; Racic, Lisa A.
; Treacy, Maurice
; Spaulding, Vikki
; Agostino, Michael J.
; Howes, Steven H.
; Rechtel, Kim
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
; ENCODING THEM

NUMBER OF SEQUENCES: 231
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: MA
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/746,783
FILING DATE: 21-Dec-2000
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Milasincic, Debra J.
REGISTRATION NUMBER: 46,931
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 742-4214
INFORMATION FOR SEQ ID NO: 159:
SEQUENCE CHARACTERISTICS:
LENGTH: 1776 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "oligonucleotide"
SEQUENCE DESCRIPTION: SEQ ID NO: 159:

US-09-746-783-159

Alignment Scores:
Seq. No.: 1 12e-178 Length: 1776
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
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US-10-689-742-160 (1-280) x US-09-746-783-159 (1-1776)

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Qy 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
Db 129 AGCCTGCAATTCCTCAAGCCTCTGCCCACTCGGCATCCAGAGCCCGCGCACAGAGCAC 188
Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
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Qy 61 LeuLeuLeuGlyLeuAlaLeuLeuLeuLeuPheGlnTyrThrGlnLeuSerAsn 80
Db 249 CTGCTGATAGGGCTGGAGCCCTGGGGCTTTGTTTTTTCAGTACTACAGCTCTCCAAAT 308
Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
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Qy 101 GlnSerLeuGlnValGlnAsnIleLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 369 CAATCTCTTCAAGTCCAGAATATAAAGCTTCAGGAAGTCTGCAGCATGTGGCTGAAAAA 428
Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
Db 429 CTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGGTGCGCCCTTGTACAGAACAA 488
Qy 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160

Db 489 TGGAAATGGCATGGAGACAAATGCTTACCAAGTTCTATAAAGACAGCAAAAGTTGGAGGAC 548
Qy 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnLysAsp 180
Db 549 TGTAAATATTTCTGCTTTAGTGAAGAACTCTACCATGCTGAAGATATAACAAACAGAGAC 608
Qy 181 LeuGluPheAlaLaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
Db 609 CTGGAATTTGGCGGTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATGACAGGGCTT 668
Qy 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
Db 669 TTGCGCCCTGACAGTGGCAAGGCTTGGCTGGATGGATGGAAGCCCTTTCACTTCTGAA 728
Qy 221 LeuPheHisIleIleLeuAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
Db 729 CTGTTCCATATTAATAGATGTCCAGGCCCAAGAGCAGAGACTGTGTGGCCATCTCTT 788
Qy 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
Db 789 AATGGATGATCTTCTCAAGGACTGCAAGAAATTGAAGCGTTGTCTGTGAGAGAAGG 848
Qy 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
Db 849 GCAGGAATGGTGAAGCCAGAGAGGCTCCATGTCCCCCTGAAACATTAGGCGAAGGTGAC 908

RESULT 2

US-09-989-722-318
Sequence 318, Application US/09989722
Patent No. US20020072067A1

GENERAL INFORMATION:

APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730P1C83
CURRENT APPLICATION NUMBER: US/09/989,722
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
PRIOR APPLICATION NUMBER: 60/065186
PRIOR FILING DATE: 1997-11-12
PRIOR APPLICATION NUMBER: 60/065311
PRIOR FILING DATE: 1997-11-13
PRIOR APPLICATION NUMBER: 60/066770
PRIOR FILING DATE: 1997-11-24
PRIOR APPLICATION NUMBER: 60/075945
PRIOR FILING DATE: 1998-02-25

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/	PRIOR FILING DATE:	1998-06-17
/	PRIOR APPLICATION NUMBER:	60/089598

1 PRIOR APPLICATION NUMBER: 60/091626
2 PRIOR FILING DATE: 1998-07-02
3 PRIOR APPLICATION NUMBER: 60/091633
4 PRIOR FILING DATE: 1998-07-02
5 PRIOR APPLICATION NUMBER: 60/091978
6 PRIOR FILING DATE: 1998-07-07
7 PRIOR APPLICATION NUMBER: 60/091982
8 PRIOR FILING DATE: 1998-07-07
9 PRIOR APPLICATION NUMBER: 60/092182
10 PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.: 1,188-178 Length: 1841
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-689-742-160 (1-280) x US-09-989-722-318 (1-1841)

Qy 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
Db 144 ATGAGGCGCAAGTACAGCAGCAGGAGCATGCTGGATGATGATGGGACACACCATG 203
Qy 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgThrGluHis 40
Db 204 AGCTGCAATCTTCAAGCCTCTGCCCAACTGGCATCCAGAGCCCGCGGCACAGAGC 263
Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuVal 60
Db 264 AGGGCTCCTCTTCAAGCTGGCGACACAGTGGCCCTGACCTGCTGACTTTGTGTGGTG 323
Qy 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
Db 324 CTGCTGATAGGGCTGGCGACCTGGGGCTTTGTTGTTTTTCAGTACTACCACTCTCCAA 383
Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
Db 384 ACTGGTCAAGACACCATTTCTCAATGGAAGAGATTTAGGAATATACGTCCTCCAGATTG 443
Qy 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 444 CAATCTCTCAAGTCCAGATATAAGCTTGCAGCAAGTCTGCAGCATGTGGCTGAAAAA 503
Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
Db 504 CTCTGTGCTGAGCTGTATAACAAAGCTGGAGCACACAGGTGCGCCCTTTGTACAGAACAA 563
Qy 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
Db 564 TGGAAATGGCATGGAGACATTTGTCACAGTCTTATATAAGACAGCAAAAGTTGGAGGAC 623
Qy 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
Db 624 TGTAATATTTCTGCCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAACAAGAGAC 683
Qy 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
Db 684 CTGGAATTTGGCGGCTCTCAAGAGTACTCTCAGTGTCTTCTTCTTATTTGACAGGGGCTT 743
Qy 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
Db 744 TTGGCCCTTGACAGTGGCAAGCCCTGGCTGGATGGATGGAAACCCCTTTCACCTTCGAA 803
Qy 221 LeuPheHisIleIleAlaAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
Db 804 CTGTTCATATATATAATAGATGTACACAGCCCAAGAGCAGAGACTGTGTGGCCATCCTC 863
Qy 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
Db 864 AATGGAGTATCTTCTCAAGAGACTGCAAGAAATTTGAAGCGTTGTGTCTGTGAGAGAGG 923

Qy 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
Db 924 GCAGGAATGTTGAAGCCAGAGAGCCTCCATGTCCTCCCTGAAACATTAGGCGAAGGTGAC 983

RESULT 3

US-09-989-723-318
Sequence 318, Application US/09899723
Patent No. US20020072092A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: KJavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
Acids Encoding the Same
FILE REFERENCE: P2730P1C62
CURRENT APPLICATION NUMBER: US/09/989,723
PRIOR FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
PRIOR APPLICATION NUMBER: 60/062250
PRIOR FILING DATE: 1997-10-17
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PRIOR FILING DATE: 1997-11-24
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;; PRIOR FILING DATE: 1998-07-02
;; PRIOR APPLICATION NUMBER: 60/091978
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/091982
;; PRIOR FILING DATE: 1998-07-07
;; PRIOR APPLICATION NUMBER: 60/092182
;; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred.No.:	1,18e-178	Length:	1841
Score:	1508.00	Matches:	280
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

US-10-689-742-160 (1-280) x US-09-989-723-318 (1-1841)

QY

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Db 144 ATGAGGCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACACACACCATG 203
Qy 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
Db 204 AGCTGTCATTTCTCAAGCCTCTGCCCAACTCGGCATCCAGAGCCCGGCGCACAGAGCAC 263
Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuThrLeuCysLeuVal 60
Db 264 AGGGCTCCCTCTTCAAGCTGGGACCACTGGCCCTGACCTGCTGCTTGTGTGTG 323
Qy 61 LeuLeuIleGlyLeuAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn 80
Db 324 CTGCTGATAGGCTGGCAGCCCTGGGGCTTTGTTTTTTCAGTACTACCACTCTCCAA 383
Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
Db 394 ACTGCTCAAGACACCATTTCTCAATGAAGAAAGATTAGGAATACCTCCAGAGTTG 443
Qy 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 444 CAATCTTCAAGTCCAGATATAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAA 503
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Db 504 CTCTGCTGAGCTGTATAACAAGCTGGAGCACACAGGTGAGCCCTTGTACAGAAACA 563
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Db 564 TGGAAATGGCATGGAGACAATTTGCTACCAAGTTCTATAAAGACAGCAAAAGTTGGAGAC 623
Qy 161 CysLysTyrPheCysLeuSerGlnAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
Db 624 TGTAATAATTTCTGCTTAGTGAAACTCTACCATGCTGAAGATAAACAAACAGAGAC 683
Qy 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
Db 684 CTGGAAATTTGGCGGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGCTT 743
Qy 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
Db 744 TTGGCCCTCAGAGTGGCAAGCCCTGGCTGTGGATGGATGGAACCCCTTTCACTTCTGAA 803
Qy 221 LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
Db 804 CTGTTCATATATATATAGATGTCCACAGCCACAGACAGAGCTGTGTGGCCATCTC 863
Qy 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
Db 864 AATGGATGATCTTCTCAAGGACTGCAAGAAATGAAGCGTTGTCTGTGAGAGAGG 923
Qy 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
Db 924 GCAGAAATGGTGAAGCCAGAGAGCCTCCATGTCCCCCTGAAACATTAGGCGAAGGTGAC 983

RESULT 4

US-09-989-279-318
; Sequence 318 Application US/09989279
; Patent No. US20020072496A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.

; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C56
; CURRENT APPLICATION NUMBER: US/09/989,279
; CURRENT FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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Pred. No.: 1,18e-178 Length: 1841
Score: 1508.00 Matches: 280
Percent Similarity: 100.00% Conservative: 0
Best Local Similarity: 100.00% Mismatches: 0
Query Match: 100.00% Indels: 0
DB: 9 Gaps: 0

US-10-689-742-160 (1-280) x US-09-989-279-318 (1-1841)

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; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
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; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
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; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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;; PRIOR FILING DATE: 1998-07-09

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DB 324 CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACCACTCTCCAAT 383
QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnLeu 100
DB 384 ACTGCTCAAGACACCACTTCTCAATGGAAGAAGATTAGGAAATACGTCCTCCAGAGTTG 443
QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
DB 444 CAATCTCTTCAAGTCCAGATATATAAGCTTGCAGGAAGCTCTGCAGCATGTGGCTGAAAA 503
QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
DB 504 CTCTGCTGAGCTGTATATAACAAAGCTGGAGCACACAGCTGCAGCCCTTGTACAGAACAA 563
QY 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
DB 564 TGGAAATGGCATGGAGACAAATTGCTTACCAAGTTCTATTAAGACAGCAAAAGTTGGGAGGAC 623
QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
DB 624 TGTAAATATTTCTGCTTAGTGAAGAACTCTACCATGCTGAAGATTAACAAACAGAGAC 683
QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
DB 684 CTGGAATTTGGCGGCTCTCAGAGCTACTCTCAGATTTTCTACTCTTATTGGACAGGGCTT 743
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QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
DB 864 AATGGATGATCTTCTCAAGGACTGCAAGAAATTTGAAGCGTTGTGTCTGTGAGAGAAGG 923
QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
DB 924 GCAGGAATGGTGAAGCCAGAGAGCTCCATGTCCCCCTGAAACATTAGGCGAAGGTGAC 983

RESULT 7
US-09-989-732-318
Sequence 318, Application US/09989732
Patent No. US20020123463A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
APPLICANT: Gerritsen, Mary E.
APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
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APPLICANT: Kljavin, Ivar J.
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APPLICANT: Paoni, Nicholas F.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC57
CURRENT APPLICATION NUMBER: US/09/989,732
CURRENT FILING DATE: 2001-11-19
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PRIOR FILING DATE: 1997-06-16
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/091982
; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Alignment Scores:
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Percent Similarity: 100.00 Conservative: 0
Best Local Similarity: 100.00 Mismatches: 0
Query Match: 100.00 Indels: 0
DB: 9 Gaps: 0

US-10-689-742-160 (1-280) x US-09-989-732-318 (1-1841)

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QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgThrGluHis 40
Db 204 AGCGTGCAATCTCAAGCCTCTCCACACTCGGCATCCAGAGCCCGGGCACAGCAC 263
QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
Db 264 AGGGCTCCCTCTTCAACGTGGGACAGTGGCCCTGACCTGCTGACTTGTGTGGTG 323
QY 61 LeuLeuLeuGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
Db 324 CTGCTGATAGGCTGGAGCCCTGGGGCTTTGTTTTCAGTACTACAGCTCTCCAA 383
QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
Db 384 ACTGGTCAAGACACCATTTCTCAATGGAGAAAGATTAGGAATACGTCCCAAGATTG 443
QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120

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Db 444 CAATCTCTTCAAGTCCAGAATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAA 503
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Db 564 TGGAAATGGCATGGAGACAAATTTGCTACCAAGTTCTATAAAGACAGCAAAAGTTGGAG 623
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Db 624 TGTAAATATTTCTGCTTAGTGAAACCTCTACCATGCTGAAGATTAACAACAAGAGAC 683
QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
Db 684 CTGGAATTTGCGCGTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGCTT 743
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Db 924 GCAGGAATGGTGAAGCCAGAGAGCCCTCCATGTCCCCCTGAAACATTAGGCGAAGTGAC 983

RESULT 8
US-09-991-073-318
; Sequence 318, Application US/09991073
; Patent No. US2002012576A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnovers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; TITLE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730FIC15
; CURRENT APPLICATION NUMBER: US/09/991,073
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/049787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17

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; PRIOR APPLICATION NUMBER: 60/091978
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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

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QY 61 LeuLeuIleGlyLeuAlaLeuLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAn 80
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DB 624 TGTAATAATTTCTGCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAACAAGAGAC 683

QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrClyLeu 200
DB 684 CTGGAAATTTGGCGGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTTGACAGGGGCTT 743

QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
DB 744 TTGGCCCTTGACAGTGGCAGGCCCTGGCTGTGGATGGATGGAAACCCCTTTCCTCTCTGAA 803
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QY 221 LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
DB 804 CTGTTCCATATTATTAATAGATGTCACAGCCCAAGCAGACAGACTGTGTGCCATCTCTC 863

QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
DB 864 AATGGATGATCTTCTCAAGACTGCAAGAAATTGAAGCGTTGTGTCTGTGAGAGAGG 923

QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
DB 924 GCAGGAATGGTGAAGCCAGAGAGCCCTCCATGTCTCCCTGAAACATTAGGCCAAGGTGAC 983

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US-09-990-442-318
; Sequence 318, Application US/09990442
; Patent No. US2002013252A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE OF INVENTION: Acids Encoding the Same
; FILE REFERENCE: P2730P1C8
; CURRENT APPLICATION NUMBER: US/09/990,442
; PRIOR FILING DATE: 2001-11-14
; PRIOR APPLICATION NUMBER: 60/045787
; PRIOR FILING DATE: 1997-06-16
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/065186
; PRIOR FILING DATE: 1997-11-12
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; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
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62	PRIOR FILING DATE: 1998-07-02
63	PRIOR APPLICATION NUMBER: 60/091978
64	PRIOR FILING DATE: 1998-07-07
65	PRIOR APPLICATION NUMBER: 60/091982
66	PRIOR FILING DATE: 1998-07-07
67	PRIOR APPLICATION NUMBER: 60/092182
68	PRIOR FILING DATE: 1998-07-09

Alignment Scores:	
Pred. No.:	1.18e-178
Score:	1508.00
Percent Similarity:	100.00%
Length:	1841
Matches:	280
Conservative:	0

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Best Local Similarity: 100.00%  Mismatches: 0
Query Match: 100.00%  Indels: 0
DB: 9  Gaps: 0
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Qy	21	SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis	40
Db	204	AGCCTGCATCTTCAGAGCCTCTGCCCAACTCGGCATCCAGAGCCCCGGCGCAGAGCAC	263
Qy	41	ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal	60
Db	264	AGGGCTCCCTCTTCAAGCTGGCGACCACTGGCCCTGACCCCTGCTGACTTGTGCTTGGTG	323
Qy	61	LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn	80
Db	324	CTGCTGATAGGCGTCGCAGCCCTGGGGCTTTTGTTTTTTTCAGTACTACCAAGCTCTCCAAT	383
Qy	81	ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu	100
Db	384	ACTGGTCAAGACACCACTTCTCAATGGAAGAGAGATTAGGAATACGTCCTCCAGAGTTG	443
Qy	101	GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys	120
Db	444	CAATCTCTTCAAGTCAGAAATATAAGCTTCGACGAAGTCTGCAGCATGTGGCTGAAAA	503
Qy	121	LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln	140
Db	504	CTCTGTCGTGAGCTGTATAACAAGCTGGAGCACACAGGTGCAAGCCCTGTGTACAGAAACA	563
Qy	141	TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp	160
Db	564	TGGAAATGGCATGGAGACAAATTGCTACCAAGTCTTATAAAGACAGCAAAAGTTGGGAGAC	623
Qy	161	CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnAsp	180
Db	624	TGTAAATATTTCTGCCTTAGTGAAACTCTACCATGCTGAAGATAAAACAAACAAGAAC	683
Qy	181	LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu	200
Db	684	CTGGAAATTTGCCGCGCTCAGAGCTACTCTCAGATTTTCTACTCTTATTATGGACAGGGCT	743
Qy	201	LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu	220
Db	744	TTGCGCCCTGACAGTGGCAAGCCCTGGCTGTGGATGCATGGAACCCCTTTCACTTCTGAA	803
Qy	221	LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValIleLeu	240
Db	804	CTGTTTCCATATTATTAATAGATGTCACCAGCCCAAGAGACAGACACTGTGTGGCCATCTCT	863
Qy	241	AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg	260
Db	864	AATGGAGTGAATCTTCTCAAGGACTGCAAGAGATTGAAGCTTGTGTCTGTAGAGAGG	923
Qy	261	AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp	280
Db	924	CAGAGAAATGGTAAGCCAGAGAGCTTCATGTCCTCCCTGAAACATTTAGCGAAGGTGAC	983

RESULT 10

US-009-991-163-318
Sequence 318, Application US/09991163
Patent No. US20020132253A1
GENERAL INFORMATION:
APPLICANT: Ashkenazi, Avi J.
APPLICANT: Baker, Kevin P.
APPLICANT: Botstein, David
APPLICANT: Desnovers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrari, Napoleone

1	APPLICANT:	Fong, Sherman	
2	APPLICANT:	Gerber, Hanspeter	
3	APPLICANT:	Gerritsen, Mary E.	
4	APPLICANT:	Goddard, Audrey	
5	APPLICANT:	Godowski, Paul J.	
6	APPLICANT:	Grimaldi, J. Christopher	
7	APPLICANT:	Gurney, Austin L.	
8	APPLICANT:	Kljasin, Ivar J.	
9	APPLICANT:	Napier, Mary A.	
10	APPLICANT:	Pan, James	
11	APPLICANT:	Paoni, Nicholas F.	
12	APPLICANT:	Roy, Margaret Ann	
13	APPLICANT:	Stewart, Timothy A.	
14	APPLICANT:	Tumas, Daniel	
15	APPLICANT:	Watanabe, Colin K.	
16	APPLICANT:	Williams, P. Mickey	
17	APPLICANT:	Wood, William I.	
18	APPLICANT:	Zhang, Zemin	
19	TITLE OF INVENTION:	Secreted and Transmembrane Polypeptides and Nucleic	
20	TITLE OF INVENTION:	Acids Encoding the Same	
21	FILE REFERENCE:	P2730PIC17	
22	CURRENT APPLICATION NUMBER:	US/09/991,163	
23	CURRENT FILING DATE:	2001-11-14	
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73	PRIOR FILING DATE:	1998-06-05	

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; PRIOR FILING DATE: 1998-07-09

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Query Match: 100.00% Indels: 0
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Db 324 CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTCAGTACTACCACTCTCCAAT 383
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RESULT 11

US-09-993-604-318
; Sequence 318, Application US/09993604
; Patent No. US2002013705A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
; APPLICANT: Pan, James
; APPLICANT: Paoni, Nicholas F.
; APPLICANT: Roy, Margaret Ann
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730P1C25
; CURRENT APPLICATION NUMBER: US/09/993,604
; CURRENT FILING DATE: 2001-11-14

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; PRIOR FILING DATE: 1998-07-07
; PRIOR APPLICATION NUMBER: 60/092182
; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

Pred. No.:	1.18e-178	Length:	1841
Score:	1508.00	Matches:	280
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	9	Gaps:	0

US-10-689-742-160 (1-280) x US-09-993-604-318 (1-1841)

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Qy	21	SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis	40
Db	204	AGCCTGCATCTCAAGCCTCTGCCCAACTCGGCATCCAGAGCCCGGGGCGCAGAGCAGC	263
Qy	41	ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal	60
Db	264	AGGGCTCCCTCTTCAACGTGGCGACAGTGCGCCCTGACCCCTGCTGACTTTGTGCTTGGTG	323
Qy	61	LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn	80
Db	324	CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTCAGTACTACCACTCTCCAAAT	383
Qy	81	ThrGlyGlnAspThrIleSerGlnMetGluArgLeuGlyAsnThrSerGlnGluLeu	100
Db	384	ACTGCTCAGACACCATTTCTCAATGGAGAAAGATTAGGAATACGTCCCAAGATTG	443
Qy	101	GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys	120
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Qy	121	LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln	140
Db	504	CTCTGCTGAGCTGTATATAAAGCTGGAGCACACAGGTGCAGCCCTTGTACAGAACAA	563
Qy	141	TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp	160
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Db	624	TGTAATATTCTCGCTTAGTGAATACTCTACCATGCTGAAGATAAACAACAAGAGAC	683
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Db	684	CTGGAATTTGCCGCTCTCAGAGCTACTCTGAGTTTTTTCTACTTATTATGACAGGGCTT	743

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; Sequence 318, Application US/09990456
; Patent No. US20020137890A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.
; APPLICANT: Botstein, David
; APPLICANT: Desnoyers, Luc
; APPLICANT: Eaton, Dan L.
; APPLICANT: Ferrara, Napoleone
; APPLICANT: Fong, Sherman
; APPLICANT: Gerber, Hanspeter
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Gurney, Austin L.
; APPLICANT: Kljavin, Ivar J.
; APPLICANT: Napier, Mary A.
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; APPLICANT: Paoni, Nicholas F.
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; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Williams, P. Mickey
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
; FILE REFERENCE: P2730PIC22
; CURRENT APPLICATION NUMBER: US/09/990,456
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; PRIOR FILING DATE: 1998-07-09

Alignment Scores:

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Query Match:	100.00%	Indels:	0
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Qy	41	ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal	60
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Db	624	TGTAATAATTTCTGCTTGTAGTAAAACTCTACCATGCTGAAGATAAACAAACAAGAGAC	683
Qy	181	LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu	200
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Qy	201	LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu	220
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Qy	221	LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu	240
Db	804	CTGTTCCATATTAATAATAGATGTCAACAGCCCAAGAGACAGAGACTGTGTGGCCATCTCTC	863
Qy	241	AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg	260
Db	864	AATGGATGATCTTCTCAAGGACTGCAAAAGAAATGAAGCGTTGTGTCTGTGAGAGAGG	923
Qy	261	AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp	280
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RESULT 13

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; Sequence 318, Application US/09989721
; Patent No. US20020142961A1
; GENERAL INFORMATION:
; APPLICANT: Ashkenazi, Avi J.
; APPLICANT: Baker, Kevin P.

APPLICANT: Botstein, David
APPLICANT: Desnoyers, Luc
APPLICANT: Eaton, Dan L.
APPLICANT: Ferrara, Napoleone
APPLICANT: Fong, Sherman
APPLICANT: Gerber, Hanspeter
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APPLICANT: Goddard, Audrey
APPLICANT: Godowski, Paul J.
APPLICANT: Grimaldi, J. Christopher
APPLICANT: Gurney, Austin L.
APPLICANT: Kljavin, Ivar J.
APPLICANT: Napier, Mary A.
APPLICANT: Pan, James
APPLICANT: Paoni, Nicholas P.
APPLICANT: Roy, Margaret Ann
APPLICANT: Stewart, Timothy A.
APPLICANT: Tumas, Daniel
APPLICANT: Watanabe, Colin K.
APPLICANT: Williams, P. Mickey
APPLICANT: Wood, William I.
APPLICANT: Zhang, Zemin
TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
FILE REFERENCE: P2730PIC55
CURRENT APPLICATION NUMBER: US/09/989,721
CURRENT FILING DATE: 2001-11-19
PRIOR APPLICATION NUMBER: 60/049787
PRIOR FILING DATE: 1997-06-16
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Alignment Scores:

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Db	204	AGCGTGCATTCTCAAGCCTCTGCCACAACTCGGCATCCAGAGCCCGCGCACAGAGCAC	263
Qy	41	ArgAlaProSerSerThrTyrArgProValAlaLeuThrLeuLeuThrLeuVal	60
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Db	444	CAATCTTCAAGTCCAGAAATAAAGCTTGAGAGAGTCTGCAGCATGTGGCTCAAAA	503
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Qy	141	TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp	160
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Qy	161	CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp	180
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Qy	181	LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrThrThrGlyLeu	200
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Db	804	CTGTTCCATATTATATAGATGTCCAGCCAGAGAGCAGACTGTGTGGCCATCTCTC	863
Qy	241	AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg	260
Db	864	AATGGATGATCTTCTCAAGGACTGCAAGAAATTGAAGCGTTGTGTGTGTGAGAGAAGG	923
Qy	261	AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp	280
Db	924	GCAGGAATGGTGAAGCCAGAGAGCCTCATGTCCCCCTGAAACATTAGGCGAAGGTGAC	983

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US-09-989-293A-318
 ; Sequence 318, Application US/09989293A

; Patent No. US20020177164A1
 ; GENERAL INFORMATION:

; APPLICANT: Ashkenazi, Avi J.
 ; APPLICANT: Baker, Kevin P.
 ; APPLICANT: Botstein, David
 ; APPLICANT: Desnoyers, Luc
 ; APPLICANT: Eaton, Dan L.
 ; APPLICANT: Ferrara, Napoleone
 ; APPLICANT: Fong, Sherman
 ; APPLICANT: Gerber, Hanspeter
 ; APPLICANT: Gerritsen, Mary E.
 ; APPLICANT: Goddard, Audrey
 ; APPLICANT: Godowski, Paul J.
 ; APPLICANT: Grimaldi, J. Christopher
 ; APPLICANT: Gurney, Austin L.
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 ; APPLICANT: Pan, James
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 ; APPLICANT: Tumas, Daniel
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 ; TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic
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REFERENCE
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Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished
Contact : Feng Liang Email : fliang@lifetech.com URL :
http://fulllength.invitrogen.com/Invitrogen Corporation 1600
Faraday Avenue
Redwood City, CA 94061
REFERENCE
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Genoscope.
Direct Submission
Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr)
- Web : www.genoscope.cns.fr
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Best Local Similarity: 99.64% Mismatches: 1
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Qy 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
Db 310 CAATCTCTTCAAGTCCAGAAATATAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAA 369

QY 121 LeuCyAspArgGluLeuTyAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 DB 370 CTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGGTGCAGCCCTTGTACAGAACAA 429
 QY 141 TrpLysTrpHisGlyAspAsnCyStyTrpGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 DB 430 TGGAAATGGCATGGAGACAAATGCTACCAAGTCTATATGAAGACAGCAAAAGTTGGGAGAC 489
 QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysLeuLysLeuLysLeuLys 180
 DB 490 TGTAAATATTTCTGCTTAGTGAAACCTCTACCATGCTGAAGATAAACAAACAGAGAC 549
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
 DB 550 CTGGAATTTGGCGCGCTCTCAGAGCTACTCTGAGTTTCTTACTCTTATTTGGACAGGGCTT 609
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 DB 610 TTGCGCCCTCAGCAGTGGCAGGCCCTGGCTGGATGGATGGACCCCTTTCACTTCTGAA 669
 QY 221 LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 DB 670 CTGTTTCCATATTAATAGATGTACCAAGCCCAAGAGCAGAGACTGTGTGGCCATCCTT 729
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLysLysLysLysLysLysLysLysLys 260
 DB 730 AATGGGATGATCTTCTCAAGAGACTGCAAGAAATTTGAAGCGTTGTCTGTGAGAGAAG 789
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 DB 790 GCAGGAATGGTGAAGCCAGAGAGCCTCCATGTGCCCCCTGAAACATTAGGCGAAGTGAC 849

RESULT 3
 CR591231 1692 bp mRNA linear HTC 21-JUL-2004
 LOCUS full-length cDNA clone CS0D1041Y14 of Placenta Cot 25-normalized
 DEFINITION of Homo sapiens (human).

ACCESSION CR591231

VERSION CR591231.1 GI:50472038

KEYWORDS HTC; CDS; EST; cDNA.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

REFERENCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

AUTHORS Mammalia; Eutheria; Primates; Catarrhini; Hominiidae; Homo.

TITLE Li, W.B., Gruber, C., Jessee, J. and Polayes, D.

JOURNAL Full-length cDNA libraries and normalization

REMARK Unpublished

Contact : Feng Liang Email : fliang@lifetech.com URL :

http://fulllength.invitrogen.com/ Invitrogen Corporation 1600

Faraday Avenue

Genoscope.

2 (bases 1 to 1692)

REFERENCE Direct Submission

AUTHORS Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :

TITLE BP 191 91006 EVRY cedex - FRANCE (E-mail : segref@genoscope.cns.fr

JOURNAL - Web : www.genoscope.cns.fr)

COMMENT 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime

end enriched, double-strand cDNA was digested with Not I and cloned

into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library

was normalized. Library was constructed by Life Technologies, a

division of Invitrogen.

FEATURES Location/Qualifiers

1..1692

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CS0D1041Y14"

/tissue_type="Placenta Cot 25-normalized"

/plasmid="pCMVSPORT_6"

ORIGIN

Alignment Scores:

Pred. No.: 4,97e-152 Length: 1692
 Score: 1504.00 Matches: 279
 Percent Similarity: 99.64% Conservative: 0
 Best Local Similarity: 99.64% Mismatches: 1
 Query Match: 99.73% Indels: 0
 DB: 3 Gaps: 0

US-10-689-742-160 (1-280) x CR591231 (1-1692)

QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
 DB 45 ATGCAGGCCAAGTACAGCAGCAGCAGGACATGCTGGATGATGATGGGACACACCACTG 104
 QY 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
 DB 105 AGCGTCAATTTCTCAAGGCTCTGCCCAACTCGGCATCCAGAGCCCGCGGCACAGAC 164
 QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuVal 60
 DB 165 AGGGCTCCCTCTTCAACGTGGCAGCAGTGGCCCTGACCCCTGCTGCTTTGTGCTTGG 224
 QY 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn 80
 DB 225 CTGCTGATAGGCTGGCAGCCCTGGGGCTTTTGTGTTTTCAGTACTACCCAGCTCTCA 284
 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
 DB 285 ACTGCTCAAGACACCATTTCTCAATGAAGAAAGATTAGGAAATACGTCCTCCAGAGTTG 344
 QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
 DB 345 CAATCTCTCAAGTCCAGAAATATAAGCTTGCAGGAAGTCTGCACATGTGTGCTGAA 404
 QY 121 LeuCyAspArgGluLeuTyAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 DB 405 CTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGGTGCAGCCCTTGTACAGAACAA 464
 QY 141 TrpLysTrpHisGlyAspAsnCyStyTrpGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 DB 465 TGGAAATGGCATGGAGACAAATTTGCTACCAAGTCTTATAAAGACAGCAAAAGTTGGGAG 524
 QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysLysLysLysLysLysLys 180
 DB 525 TGTAAATATTTCTGCTTAGTGAAACCTCTACCATGCTGAAGATAAACAAACAGAGAC 584
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
 DB 585 CTGGAATTTGGCGCGCTCTCAGAGCTACTCTGAGTTTCTTACTTATTGGACAGGGCTT 644
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 DB 645 TTGGCCCTGACAGTGGCAAGCCCTGGCTGGATGGATGGAAACCCCTTTTCACTTCTGAA 704
 QY 221 LeuPheHisIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 DB 705 CTGTTCCATATTAATAGATGTACCAGCCCAAGAGCAGAGACTGTGTGGCCATCCTT 764
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLysLysLysLysLysLysLysLysLys 260
 DB 765 AATGGATGATCTTCTCAAGAGCTGCAAGAAATTTGAAGCGTTGTCTGTGAGAGAAG 824
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 DB 825 GCAGGAATGGTGAAGCCAGAGAGCCTCCATGTGCCCCCTGAAACATTAGGCGAAGTGAC 884

RESULT 4

CR591145

LOCUS

DEFINITION

full-length cDNA clone CS0D1049YB09 of Placenta Cot 25-normalized

of Homo sapiens (human).

ACCESSION CR591145

VERSION CR591145.1 GI:50471952

CR591145 1734 bp mRNA linear HTC 21-JUL-2004
 full-length cDNA clone CS0D1049YB09 of Placenta Cot 25-normalized

of Homo sapiens (human).

KEYWORDS
SOURCE HTC; CNSLT cDNA.
ORGANISM Homo sapiens (human)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished
REMARK Contact : Feng Liang Email : fliang@lifetech.com URL :
 http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
 Faraday Avenue
 Redwood City, CA 94063
REFERENCE
AUTHORS Genoscope.
TITLE Direct Submission
JOURNAL Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
 BP 191 91006 EVRY cedex - FRANCE (E-mail : segref@genoscope.cns.fr
 - Web : www.genoscope.cns.fr)
COMMENT 1st strand cDNA was primed with a NotI-oligo (dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.
FEATURES
 source
 Location/Qualifiers
 1..1734
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CSODI049YB09"
 /tissue_type="Placenta Cot 25-normalized"
 /plasmid="pCMVSPORT_6"
ORIGIN
 Alignment Scores:
 Pred. No.: 5.16e-152 Length: 1734
 Score: 1504.00 Matches: 279
 Percent Similarity: 99.64% Conservative: 0
 Best Local Similarity: 99.64% Mismatches: 1
 Query Match: 99.73% Indels: 0
 DB: 3 Gaps: 0
 US-10-689-742-160 (1-280) x CR591145 (1-1734)
 Qy 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrMet 20
 Db 45 ATGAGGCCAGTACAGCAGCAGGAGCATGTGGATGATGAGGACACCACTG 104
 Qy 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
 Db 105 AGCCTGCATTCTCAAGGCTCTGCCAACACTCGGCATCCAGAGCCCGCGCACAGAGCAC 164
 Qy 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuVal 60
 Db 165 AGGGCTCCCTCTTCAACGTGGCGACCAAGTGGCCCTGACCCCTGCTGCTGCTG 224
 Qy 61 LeuLeuLeuGlyLeuAlaAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
 Db 225 CTGCTGATAGGCTGGCAGCCCTGGGGCTTTGTTTTCAGTACTACCACTCTCCAT 284
 Qy 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
 Db 285 ACTGGTCAAGACACCATTTCTCAATGAAGAAAGATTAGGAATAGCTCCCAAGAGTTG 344
 Qy 101 GlnSerLeuGlnValGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 120
 Db 345 CAATCTCTTCAAGTCCAGATATAAGCTTCAGAGAAAGTCTGCAGCATGTGGCTGAAGAA 404
 Qy 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 Db 405 CTCTGTGCTGAGCTGTATACAAAGCTGGACACACAGGTGACGCCCTTGTACAGAACAA 464
 Qy 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160

465 TGGAAATGGCATGGAGACAAATTGCTACCAAGTTCTATTAAGACAGCAAAAGTTGGCAGGAC 524
 Qy 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
 Db 525 TGTAAATATTCTGCTCTAGTAAACTCTTACCATGTGTGAAGATAAACAACAAGAGAC 584
 Qy 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
 Db 585 CTGGAATTTGCGGCTCTCAGAGCTACTCTGAGTTTCTTACTCTTATTTGACAGGGTT 644
 Qy 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 Db 645 TTGGCCCTGACAGTGGCAAGGCTGGCTGGATGGATGGAACCCCTTTTCACTTCTGAA 704
 Qy 221 LeuPheHisIleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 Db 705 CTGTTCCATATTAATAGATGTCCAGGCCCAAGAGACAGAGACTGTGTGCGCCATCCTT 764
 Qy 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 Db 765 AATGGATGATCTTCTCAAGGACTGCAAGAAATGAAGCCTTGTGTCTGTGAGAGAGG 824
 Qy 261 AlaGlyMetValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 Db 825 GCAGGAATGGTGAAGCCAGAGAGCTTCATGTCCCCCTGAAACATTAGGCGAAGGTGAC 884
RESULT 5
 BX379905 1045 bp mRNA linear EST 23-APR-2004
 LOCUS BX379905 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
 clone CSODI041YA14 5-PRIME, mRNA sequence.
 ACCESSION BX379905
 VERSION BX379905.2 GI:46557568
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 1045)
 Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 On May 8, 2003 this sequence version replaced gi:30439428.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: segref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo (dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen. This sequence belongs to sequence cluster
 6541.r
 For more information about this cluster, see
 http://www.genoscope.cns.fr/cdna?s=CSODI041BA07QPl&c=6541.r.
FEATURES
 source
 Location/Qualifiers
 1..1045
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CSODI041YA14"
 /tissue_type="PLACENTA COT 25-NORMALIZED"
 /clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo (dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen. This sequence belongs to sequence cluster
 6541.r
ORIGIN
 Alignment Scores:
 Pred. No.: 4.89e-151 Length: 1045
 Score: 1492.00 Matches: 277
 Percent Similarity: 98.93% Conservative: 0

Best Local Similarity: 98.93% Mismatches: 3
 Query Match: 98.94% Indels: 0
 DB: 5 Gaps: 0

US-10-689-742-160 (1-280) x BX379905 (1-1045)

QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
 DB 45 ATGAGGCCAAGTACAGACGACGAGGACATGCTGGATGATGGGACACCAATG 104
 QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHis 40
 DB 105 AGCTGCGATTTCAAGGCTCTGCCAACATCGGATCCAGACCCCGGGGACAGAGCAC 164
 QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuThrLeuCysLeuVal 60
 DB 165 AGGGCTCCCTCTTCAAGCTGGCGACGAGTGGCCCTGACCTGCTGCTTGTGTGTG 224
 QY 61 LeuLeuIleGlyLeuAlaLeuLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn 80
 DB 225 CTGCTGATAGGCTGGCAGCCCTGGGGCTTTTGTTCAGTACTACGAGCTCTCCAAT 284
 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
 DB 285 ACTGTCTGAGCTGTATACAAAGCTGGAGCACAGTGCGAGCCCTTGTACAGAACAA 464
 QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
 DB 345 CAATCTCTCAAGTCCAGATATATAAGCTTGCAGGAAGTCTGCAGAGCTGTGGCTGAAAA 404
 QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 DB 405 CTCTGCTGAGCTGTATACAAAGCTGGAGCACAGTGCGAGCCCTTGTACAGAACAA 464
 QY 141 TrpLysTrpHisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 DB 465 TGGAAATGGCATGGAGACAATTTGCTACCAAGTTCTATAAAGACAGCAAAAGTTGGGAGGAC 524
 QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
 DB 525 TGTAAATATTTCTGCTTAGTGAAACCTACCATGCTGAAGATTAACAACAAGAGAC 584
 QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
 DB 585 CTGGAATTTGCGCGCTCTCAGAGCTACTCTGAGTTTCTCTACTTTATTTGGACAGGCTT 644
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 DB 645 TTGCGCCCTGACAGTGGCAAGGCCCTGGCTGGATGGATGGAAACCCCTTCTACTCTGAA 704
 QY 221 LeuPheHisIleIleAlaAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 DB 705 CTGTTCCATATTTATATAGATGTCACAGCCCAAGACAGACAGTGTGGCCATCTT 764
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 DB 765 AATGGATGATCTTCTCAAAGGACTGCAAGAAATTAAGCGTTGTCTGTGAGAAAGG 824
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGlyAsp 280
 DB 825 GCAGGAATGGTGAAGCCAGAGAGCCCTCCATGTGCCCCCTGAAACATTAGGCGAAGGTGAC 884

RESULT 6

CR606141 1673 bp mRNA linear HTC 21-JUL-2004
 LOCUS full-length cDNA clone CS0DE006YK19 of Placenta of Homo sapiens (human).

ACCESSION CR606141
 VERSION CR606141.1 GI:50486948
 KEYWORDS HTC; CNSLT cDNA.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE AUTHORS TITLE JOURNAL REMARK

Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
 1. (Bases 1 to 1673)
 Li, W.B., Gruber, C., Jesse, J. and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished
 Contact: Feng Liang Email: fliang@lifetech.com URL:
 http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
 Faraday Avenue
 Redwood City, CA 94063
 Genoscope.
 Direct Submission
 Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
 BP 191 91006 EVRY cedex - FRANCE (E-mail: seqref@genoscope.cns.fr)
 - Web: www.genoscope.cns.fr

REFERENCE AUTHORS TITLE JOURNAL

COMMENT

1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with NotI and cloned
 into the NotI and EcoRV sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.

FEATURES source

1..1673
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DE006YK19"
 /tissue_type="Placenta"
 /plasmid="pCMVSPORT_6"

ORIGIN

Alignment Scores:
 Pred. No.: 1,628-150 Length: 1673
 Score: 1490.00 Matches: 276
 Percent Similarity: 99.64% Conservative: 0
 Best Local Similarity: 99.64% Mismatches: 1
 Query Match: 98.81% Indels: 0
 DB: 3 Gaps: 0

US-10-689-742-160 (1-280) x CR606141 (1-1673)

QY 4 LysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMetSerLeuHis 23
 DB 2 AAGTACAGACGACGAGGAGACATGCTGGATGATGGGACACACCATGAGCTGCAT 61
 QY 24 SerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHisArgAlaPro 43
 DB 62 TCTCAAGGCTCTGCCAACCTCGGCATCCAGAGCCCGGCGCACAGACAGAGGCTCCC 121
 QY 44 SerSerThrTrpArgProValAlaLeuThrLeuThrLeuCysLeuValLeuLeu 63
 DB 122 TCTTCAACGTGGCGACACGAGTGGCCCTGACCTGCTGACTTTGTGCTGTCTGTGATA 181
 QY 64 GlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsnThrGlyGln 83
 DB 182 GGGCTGGAGCCCTGGGCGCTTTGTTTTTTCAGTACTACCACTCTCCATATCTGCTCAA 241
 QY 84 AspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeu 103
 DB 242 GACACCAATTTCTCAATGGAGAAAGATTAGGAAATAGCTCCCAAGAGTTGCAATCTCT 301
 QY 104 GlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLysLeuCysArg 123
 DB 302 CAAGTCCAGATATTAAGCTTGCAGAGATCTGCGAGCATGTGGCTGAAACATCTCTGCT 361
 QY 124 GluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGlnTrpLysTrp 143
 DB 362 GAGCTGTATTAACAAGCTGGAGCACACAGTGCAGCCCTTGTACAGAACAAATGGAATCG 421
 QY 144 HisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAspCysLysTyr 163
 DB 422 CATGGAGACAAATTTGCTACAGTTCTATAAAGACAGCAAAAGTTGGAGGACTGTAATAT 481
 QY 164 PheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAspLeuGluPhe 183

Db 482 TTCTGCCTTAGTGAATACTTACCATGCTGAAGATAAACAACAAGAACCTGGAAUTT 541
 Qy 184 AlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTyrThrGlyLeuLeuArgPro 203
 Db 542 GCGCGTCTCAGAGCTACTCTGAGTTTCTTACTCTTATTGGACAGGGCTTTTGGCCCT 601
 Qy 204 AspSerGlyLysAlaTyrPheMetAspGlyThrProPheThrSerGluLeuPheHis 223
 Db 602 GACAGTGGCAAGCCCTGGCTGGATGGATGGAAACCCCTTTCACCTTCTGAACTGTTCAT 661
 Qy 234 llellelleAspValThrSerProArgSerArgAspCysValAlaIleLeuAsnGlyMet 243
 Db 662 ATTATAATAGATGTCAACAGCCCAAGAAGCAGAGACTGTGTGGCCATCCTTAATGGGATG 721
 Qy 244 ilePheSerLysAspCysGlyLeuLysArgCysValCysGluArgArgAlaGlyMet 263
 Db 722 ATCTTCTCAAGGACTGCAAGAAATTGAAGCGTTGTCTGTGAGAGAGGCGCAGGAATG 781
 Qy 264 ValLysProGluSerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 Db 782 GTGAAGCCAGAGAGCTCCATGTCCTCCCTGAAACATTAGGCGAAGGTGAC 832

RESULT 7
 CR619172 1747 bp mRNA linear HTC 21-JUL-2004
 LOCUS full-length cDNA clone CS0DI067YK14 of Placenta Cot 25-normalized
 DEFINITION of Homo sapiens (human).

ACCESSION CR619172
 VERSION CR619172.1 GI:50499979
 KEYWORDS HTC; CNSLT cDNA.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens

REFERENCE 1. (bases 1 to 1747)
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 Li.W.B., Gruber,C., Jessee,J. and Polayes,D.
 TITLE Full-length cDNA libraries and normalization
 JOURNAL Unpublished

REMARK Contact : Feng Liang Email : fliang@lifetech.com URL :
 http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
 Faraday Avenue
 Redwood City, CA 94063
 REFERENCE 2 (bases 1 to 1747)
 Genoscope.
 TITLE Direct Submission
 JOURNAL Submitted (20-JUL-2004) Genoscope - Centre National de Sequencage :
 BP 191 91006 EVRY cedex - FRANCE (E-mail : seqrefgenoscope.cns.fr
 - Web : www.genoscope.cns.fr)

COMMENT 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.
 FEATURES
 Location/Qualifiers
 1..1747
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DI067YK14"
 /tissue_type="Placenta Cot 25-normalized"
 /plasmid="pCMVSPORT_6"

FEATURES

source
 1..1747
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DI067YK14"
 /tissue_type="Placenta Cot 25-normalized"
 /plasmid="pCMVSPORT_6"

ORIGIN

Alignment Scores:
 Pred. No.: 2,116-149 Length: 1747
 Score: 1480.00 Matches: 278
 Percent Similarity: 94.56% Conservative: 0
 Best Local Similarity: 94.56% Mismatches: 2
 Query Match: 98.14% Indels: 14
 DB: 3 Gaps: 1

US-10-689-742-160 (1-280) x CR619172 (1-1747)

Qy 1 MetGlnAlaLysTyrSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20

Db 40 ATCAGGCCAAGTACAGCAGCACGAGGACATGCTGGATGATGATGGGACACACCATG 99
 Qy 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
 Db 100 AGCCTGCATTCTCAAGGCTCTGCCAATCTGGCATCCAGAGCCCGCGCAGAGCAC 159
 Qy 41 ArgAlaProSerSerThrTyrArgProValAlaLeuThrLeuLeuThrLeuVal 60
 Db 160 AGGGCTCCCTCTTCAACGTGGCAGCAGTGGCCCTGACCCCTGCTGACTTTGTGCTGGTG 219
 Qy 61 LeuLeuIleGlyLeuAlaAlaLeuGlyLeuLeu ----- 71
 Db 220 CTGCTGATAGGCTGGCAGCCCTGGGGCTTTGTGTAAGTCTGCGCTCTGACCTGGGGA 279
 Qy 72 ----- PhePheGlnTyrTyrGlnLeuSerAsnThrGlyGlnAspThrIle 86
 Db 280 GGATCCTGTTCCAAAGTTTTTTCAGTACTACCAAGCTCTCCTCAATCTCTTCAAGTCCAT 339
 Qy 87 SerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeuGlnValGln 106
 Db 340 TCTCAATGGGAAGAAAGATTAGGAATACGTCCTCCCAAGAGTTGCAATCTCTTCAAGTCCAG 399
 Qy 107 AsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeuTyr 126
 Db 400 AATATAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAACTCTGCTGAGCTGAT 459
 Qy 127 AsnLysAlaGlyAlaHisArgCysSerProCysThrGluGlnTyrPheHisGlyAsp 146
 Db 460 AACAAAGCTGGAGCACACAGGTGCAGCCCTTGTATCAGAACCAATGGAATGGCATGGAGAC 519
 Qy 147 AsnCysTyrGlnPheTyrLysAspSerLysSerTyrGluAspCysLysTyrPheCysLeu 166
 Db 520 AATTGCTACCAAGTTCTATPAAAGACAGCAAAAGTTGGGAGGACTGTAAATATTTCTGCTT 579
 Qy 167 SerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAspLeuGluPheAlaIleSer 186
 Db 580 AGTGAAGAACTCTACCATGCTGACAGATAAACAACAAGAACCTGGAATTTGCCCGCT 639
 Qy 187 GlnSerTyrSerGluPhePheTyrSerTyrTyrThrGlyLeuLeuArgProAspSerGly 206
 Db 640 CAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGGCTTTTTCGCGCCCTGACAGTGGC 699
 Qy 207 LysAlaTyrLeuTyrMetAspGlyThrProPheThrSerGluLeuPheHisIleIle 226
 Db 700 AAGGCTGGCTGTGATGGATGGAAACCCCTTCTCTGAACTGTTCCATATATATA 759
 Qy 227 AspValThrSerProArgSerArgAspCysValAlaIleLeuAsnGlyMetIlePheSer 246
 Db 760 GATGTCAACGCCCAAGAACGACAGACCTGTGTGGCCATCCTTAATGGGATGATCTTCTCA 819
 Qy 247 LysAspCysLysGluLeuLysArgCysValCysGluArgArgAlaGlyMetVallyAsp 266
 Db 820 AAGGACTGCAAAAGAAATTGAAGCGTTGTCTGTGAGAGAGGCGCAGGAATGTTGAAGCCA 879
 Qy 267 GluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
 Db 880 GAGAGCTTCCATGTGCCCCCTGAAACATTAGCGGAGAGGTGAC 921

RESULT 8

CR598502

LOCUS

DEFINITION full-length cDNA clone CS0DI044YF02 of Placenta Cot 25-normalized
 of Homo sapiens (human).

ACCESSION

CR598502

VERSION

CR598502.1 GI:50479309

KEYWORDS

HTC; CNSLT cDNA.

SOURCE

Homo sapiens (human)

ORGANISM

Homo sapiens

REFERENCE

1. (bases 1 to 1759)

AUTHORS

Li.W.B., Gruber,C., Jessee,J. and Polayes,D.

CR598502 1759 bp mRNA linear HTC 21-JUL-2004
 full-length cDNA clone CS0DI044YF02 of Placenta Cot 25-normalized
 of Homo sapiens (human).

ACCESSION

CR598502

VERSION

CR598502.1 GI:50479309

KEYWORDS

HTC; CNSLT cDNA.

SOURCE

Homo sapiens (human)

ORGANISM

Homo sapiens

REFERENCE

1. (bases 1 to 1759)

AUTHORS

Li.W.B., Gruber,C., Jessee,J. and Polayes,D.

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 Li.W.B., Gruber,C., Jessee,J. and Polayes,D.

Full-length cDNA libraries and normalization
 Unpublished
 Contact : Feng Liang Email : fliang@lifetech.com URL :
 http://fulllength.invitrogen.com/ Invitrogen Corporation 1600
 Faraday Avenue
 2 (bases 1 to 1759)
 Genoscope.
 Direct Submission
 Submitted (20-JUN-2004) Genoscope - Centre National de Sequencage :
 BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr
 - Web : www.genoscope.cns.fr)
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen.

FEATURES
 source
 Location/Qualifiers
 1..1759
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS01044YF02"
 /tissue type="placenta Cot 25-normalized"
 /plasmid="pCMVSPORT_6"

ORIGIN
 Alignment Scores:
 Pred. No.: 5,25e-147 Length: 1759
 Score: 1458.00 Matches: 278
 Percent Similarity: 88.82% Conservative: 0
 Best Local Similarity: 88.82% Mismatches: 2
 Query Match: 96.68% Indels: 34
 DB: 3 Gaps: 1

US-10-689-742-160 (1-280) x CR598502 (1-1759)

QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
 DB 1 ATGCGGCCCAAGTACAGCAGCAGCGAGGACATGCTGGATGATGGGACACCACTG 60
 QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluPro----- 35
 DB 61 AGCTTGCATCTTCAGGCTCTGCCCACTCGGCATCCAGAGCCCGCGGCACAGCTGG 120
 QY 35 ----- 35
 DB 121 ACTAGAGTGGCAGCATCAGCACTCACTGCAGCCTTGACCTCCCTCAAGCAATCTCTC 180
 QY 36 -----ArgArgThrGluHisArgAlaProSerSerThrTrp 47
 DB 181 CCACCTCAGCCTTCTGAGTAGTGGGACT-ACAGAGCAGAGGCTCCCTCTTCAAGCTGG 239
 QY 48 ArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeuLeuLeuLeuAla 67
 DB 240 CGACCAAGTGGCCCTGACCTCTGACTTTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 299
 QY 68 LeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsnThrGlyGlnAspThrIleSer 87
 DB 300 CTGGGGCTTTTGTCTTTCAGTACTACCAAGCTCTCCATCTCTCAAGACACCACTTCT 359
 QY 88 GlnMetGluLysArgLeuGlyAsnThrSerGlnGlnLeuGlnSerLeuGlnValGlnAsn 107
 DB 360 CAAATGGGAAGAAGATTAGAAATACGTCCTCCCAAGAGTTGCAATCTCTTCAAGTCCAGAT 419
 QY 108 IleLysLeuAlaGlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeuTrpAsn 127
 DB 420 ATAAAGCTTGCAGGAAGCTCTGAGCATGGCTGAAAACTCTGCTGAGCTGTATATAC 479
 QY 128 LysAlaGlyAlaHisArgCysSerProCysThrGluGlnTrpLysTrpHisGlyAspAsn 147
 DB 480 AAGCTGGAGCACACAGGTGACGCTTGTACAGACATGGAATGCAATGCAATGCAATG 539
 QY 148 CysTyrGlnPheTyrLysAspSerLysSerThrGluAspCysLysTyrPheCysLeuSer 167

Db 540 TCTTACCAGTTCTATAAAGACAGCAAAAGTTGGAGGACTGTAAATATTTTTCGCTTAGT 599
 QY 168 GluAenSerThrMetLeuLysIleAsnLysGlnGluAspLeuGluPheAlaIleSerGln 187
 DB 600 GAAACTCTACCATGCTGAAGATAAACAACAAGAGACTTGGATTTTCCGCGCTCTCAG 659
 QY 188 SerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeuLeuArgProAspSerGlyLys 207
 DB 660 AGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGCTTTTGGCCCTGACAGTGGCAAG 719
 QY 208 AlaTrpLeuTrpMetAspGlyThrProPheThrSerGluLeuPheHisIleIleAsp 227
 DB 720 GCTGCTGTGTGATGATGGAACCCCTTTCATCTTGAACCTGTTCATATTAATATAGAT 779
 QY 228 ValThrSerProArgSerArgAspCysValAlaIleLeuAsnGlyMetIlePheSerLys 247
 DB 780 GTCACCAAGCCCAAGAGCAGAGACTGTGTGGCCATCTTAAATGGGATGATCTTCTCAAG 839
 QY 248 AspCysLysGluLeuLysArgCysValCysGluLysArgAlaGlyMetValLysProGlu 267
 DB 840 GACTGCAAGAAATTGAAGCGTTGTCTGTGTGAGAGAGGCGAGGAATGTTGAAGCCAGAG 899
 QY 268 SerLeuHisValProGluThrLeuGlyGluGlyAsp 280
 DB 900 AGCTTCCATGTCCCCCTGAAACATTAGCGAAGGTGAC 938

RESULT 9
 BX358357 927 bp mRNA linear EST 08-APR-2004
 LOCUS BX358357 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
 DEFINITION clone CS01036YF20 5-PRIME, mRNA sequence.
 ACCESSION BX358357
 VERSION BX358357
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 927)
 Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 On May 5, 2003 this sequence version replaced gi:30370217.
 CONTACT: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen. This sequence belongs to sequence cluster
 6541.i
 For more information about this cluster, see
 http://www.genoscope.cns.fr/cdna?e=CS01036DC100P1&c=6541.i.
 Location/Qualifiers
 1..927
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS01036YF20"
 /tissue type="PLACENTA COT 25-NORMALIZED"
 /clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and cloned into the Not I and EcoR V
 sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN
 Alignment Scores:
 Pred. No.: 3.6e-146 Length: 927
 Score: 1446.50 Matches: 271

Percent Similarity: 97.84% Conservatives: 1
 Best Local Similarity: 97.48% Mismatches: 5
 Query Match: 95.92% Indels: 1
 DB: 5 Gaps: 1

US-10-689-742-160 (1-280) x BX358357 (1-927)

QY 1 MetGlnAlaLysTyrSerThrArgAspMetLeuAspAspGlyAspThrThrMet 20
 Db 10 ATGAGGCGCAAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACACACCATG 69
 QY 21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHis 40
 Db 70 AGCTTGCATTTCTCAAGGCTCTGCCAATCTGGCATTCAGAGCCCGCGCACAGAGCAC 129
 QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
 Db 130 AGGGCTCCCTCTTCAAGCTGGCGACAGTGGCCCTGGACCCCTGCTGACTTTGTGCTGGTG 189
 QY 61 LeuLeuLeGlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsn 80
 Db 190 CTGCTGATAGGCTGGCAGCCCTGGGCTTTTGTGTTTTTTCAGTACTACCATCTCCAAAT 249
 QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
 Db 250 ACTGCTCAAGACACCATTTCTCAATGGAAGAAGATTAGGAAATACGTCCTCCAGAGTTG 309
 QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
 Db 310 CAATCTCTCAAGTCCAGATATAAAGCTTGCAGGAGTCTGCAGCATGTGGCTGTAANA 369
 QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
 Db 370 CTCTGCTGAGCTGTATACAAAGCTGGAGCACACAGCTGCAGCCCTGTGTACAGAACAA 429
 QY 141 TrpLysTrpHisGlyAspAsnCysTrpGlnPheTyrLysAspSerLysSerTrpGluAsp 160
 Db 430 TGGAAATTTGCGGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTTATTGGACAGGGCTT 609
 QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
 Db 610 TTGCGCCCTGCAGTGGCAAGCCCTGGCTGTGGATGGATGGAAACCCCTTTCACTTCTGAA 669
 QY 221 LeuPheHisIleIleLeuAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
 Db 670 CTGTTCCATATTATTAATAGATGTACCAAGCCCAAGACAGAGACTGTGTGGCAATCCTT 729
 QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
 Db 730 AATGGATGATCTTCTCAAGAGCTGCAAGAAATTGAAGCTGTGTCTGTGAGAGAGG 789
 QY 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGlu 278
 Db 790 GCAGGAATGGTGAAG---CAGAGAGCTCCATGTCTCCCTCTGAACATTAGGCGAG 840

RESULT 10
 BX391810/C 914 bp mRNA linear EST 28-APR-2004
 LOCUS BX391810 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
 DEFINITION clone CS0D1081YG24 3-PRIME, mRNA sequence.
 ACCESSION BX391810
 VERSION BX391810.1 GI:30615587
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens

REFERENCE AUTHORS TITLE JOURNAL COMMENT

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1 (bases 1 to 914)
 Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen. This sequence belongs to sequence cluster
 6541.r
 For more information about this cluster, see
 http://www.genoscope.cns.fr/cdna?s=CS08A1029ZA09_CS02753_l&c=6541.r

FEATURES source

Location/Qualifiers
 1. 914
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0D1081YG24"
 /tissue type="PLACENTA COT 25-NORMALIZED"
 /clone lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and cloned into the Not I and EcoR V
 sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Alignment Scores:
 Pred. No.: 1,09e-145 Length: 914
 Score: 1442.00 Matches: 267
 Percent Similarity: 98.89% Conservative: 0
 Best Local Similarity: 98.89% Mismatches: 3
 Query Match: 95.62% Indels: 0
 DB: 5 Gaps: 0
 US-10-689-742-160 (1-280) x BX391810 (1-914)
 QY 11 MetLeuAspAspAspGlyAspThrThrMetSerLeuHisSerGlnAlaSerAlaThrThr 30
 Db 912 ATGCTGGATGATGATGGGACACACCATGAGCTGCATTTCTCAAGCTCTGCACAACT 853
 QY 31 ArgHisProGluProArgArgThrGluHisArgAlaProSerSerThrTrpArgProVal 50
 Db 852 CGGCATCCAGAGCCCGCGCACAGACACAGGGCTCCCTCTTCAACGTCGCGCACAGTG 793
 QY 51 AlaLeuThrLeuLeuThrLeuCysValLeuLeuLeuLeuGlyLeuAlaLeuGlyLeu 70
 Db 792 GCCCTGACCCCTGCTGACTTTGTGCTGTGCTGATAGGGCTGGCAGCCCTGGGGCTT 733
 QY 71 LeuPhePheGlnTyrTyrGlnLeuSerAsnThrGlyGlnAspThrIleSerGlnMetGlu 90
 Db 732 NTGTTTTTTCAGTACTACCATCTCCCAATACCTGCTCAAGACACCATTTCTCAATGAA 673
 QY 91 GluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeuGlnValGlnAsnIleLysLeu 110
 Db 672 GAAAGATTAGGAAATACGTCCTCCAGAGTTGCAATCTCTTCAAGTCCAGAAATATAAGGTT 613
 QY 111 AlaGlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeuTyrAsnLysAlaGly 130
 Db 612 GCAGAGAGTCTGACAGCATGTGGCTGAAAACCTCTGCTGTGAGCTGTATACAAAGCTGGA 553
 QY 131 AlaHisArgCysSerProCysThrGluGlnTrpLysTrpHisGlyAspAsnCysTyrGln 150
 Db 552 GCACAGGTGCAGCCCTTTGTACAGAAACATGGAATGGCATGGAGACAAATTGCTACCAG 493
 QY 151 PheTyrLysAspSerLysSerTrpGluAspCysLysTyrPheCysLeuSerGluAsnSer 170

Db 492 TTCTATTAAGACAGCAGCAAGTTGGAGGACTGTAATATTTCTGCTTAGTCAAACTCT 433
 QY 171 ThrMetLeuLysIleAsnLysGlnuAspLeuGluPheAlaAlaSerGlnSerTyrSer 190
 Db 432 ACCATGCTGAGATTAACAAACAGAGAGACTGGAAATTTGCCGCTCTCAGAGCTACTCT 373
 QY 191 GluPhePheTyrSerTyrTTPThrGlyLeuLeuArgProAspSerGlyLysAlaTrpLeu 210
 Db 372 GAGTTTTTCTACTCTTATTGGACAGGGCTTTTGGCCCTGACAGTGGCAAGCCCTGGCTG 313
 QY 211 TrpMetAspGlyThrProPheThrSerGluLeuPheHisIleIleAspValThrSer 230
 Db 312 TGGATGGATGGAAACCCCTTCTCTGAACTGTTCCATATATATATATATGATGTCACAGC 253
 QY 231 ProArgSerArgAspCysValAlaIleLeuAnGlyMetIlePheSerLysAspCysLys 250
 Db 252 CCAAGAAGCAGAGACTGTGTGGCCATCTTAAATGGATGATCTTCTCAAAGGACTGCAA 193
 QY 251 GluLeuLysArgCysValCysGluArgAlaGlyMetValLysProGluSerLeuHis 270
 Db 192 GAATTGAAGCGTGTGCTGTGAGAGAAGGGCAGGAATGTGAAGCCAGAGAGCCCTCCAT 133
 QY 271 ValProGluThrLeuGlyGluGlyAsp 280
 Db 132 GTCCCCCTGAAACATTAGGCGAAGTGAC 103

RESULT 11
 AL541315 1049 bp mRNA linear EST 24-MAR-2004
 LOCUS AL541315 Homo sapiens PLACENTA Homo sapiens cDNA clone CS0DE006YK19
 DEFINITION 5-PRIME, mRNA sequence.

ACCESSION AL541315
 VERSION AL541315.3 GI:45716909
 KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

REFERENCE 1 (bases 1 to 1049)

AUTHORS Li, W.B., Gruber, C., Jessee, J., and Polayes, D.

TITLE Full-length cDNA libraries and normalization

JOURNAL Unpublished (2001)

COMMENT On Feb 15, 2001 this sequence version replaced gi:30545374.

Contact: Genoscope

Genoscope - Centre National de Sequencage

2 rue Gaston Crémieux, CP 5706 - 91057 EVRY cedex - FRANCE

Email: seqrefgenoscope.cns.fr, Web: www.genoscope.cns.fr

1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized. Library was constructed by Life Technologies, a division of Invitrogen.

This sequence belongs to sequence cluster 6541.r

For more information about this cluster, see

http://www.genoscope.cns.fr/cdna?e=CS0DE006AF100P1&c=6541.r.

FEATURES

source

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1..1049
/organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="CS0DE006YK19"
/tissue_type="PLACENTA"
/clone_lib="Homo sapiens PLACENTA"
/notes="Vector: pCMVSPORT 6; 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoRV sites of the pCMVSPORT 6 vector. Library was not normalized."
```

ORIGIN

Alignment Scores:

Pred. No.:

Score:

3.2e-145 Length: 1049
 1438.50 Matches: 275

Percent Similarity: 99.28% Conservative: 0
 Best Local Similarity: 99.28% Mismatches: 2
 Query Match: 95.39% Indels: 2
 DB: 1 Gaps: 0

US-10-689-742-160 (1-280) x AL541315 (1-1049)

QY 4 LysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMetSerLeuHis 23
 Db 2 AAGTACAGCAGCAGGAGGACATGCTGATGATGATGAGGACACACCATGAGCGCTGCAT 61
 QY 24 SerGlnAlaSerAlaThrThrArgHisProGluProArgArgThrGluHisArgAlaPro 43
 Db 62 TCTCAAGCCTCTGCCCACTCGGCATCCAGAGCCCGGCAGAGCAGAGCGGCTCCC 121
 QY 44 SerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuValLeuLeuIle 63
 Db 122 TCTTCAACGTGGGACCACTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGATA 181
 QY 64 GlyLeuAlaAlaLeuGlyLeuLeuPhePheGlnTyrTyrGlnLeuSerAsnThrGlyGln 83
 Db 182 GGGCTGGCAGCCCTGGGGCTTTTGTGTTTTTTCAGTACTACCACTCTCCAATATCTGCTCAA 241
 QY 84 AspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeu 103
 Db 242 GACACCATTTCTCAAAATGGAAGAAGATTAGGAATATCGTCCCAAGATTGCAATCTCTT 301
 QY 104 GlnValGlnAnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLysLeuCysArg 123
 Db 302 CAAGTCCAGATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAAAATCTGTCTCT 361
 QY 124 GluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGlnTrpLysTrp 143
 Db 362 GAGCTGTATAACAAAGCTGGGACACACAGGTGCAGCCCTTGTACAGAAACAATGGAAATGG 421
 QY 144 HisGlyAspAsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAspCysLysTyr 163
 Db 422 CATGGAGACAATGCTACCACTTCTATAAAGACAGCAAAAGTTGGGAGGACTGTAAATAT 481
 QY 164 PheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAspLeuGluPhe 183
 Db 482 TCTGCTCTAGTGAACACTCTACCATGCTGAAGATAAACAAACAGAGACCTGGAAATTT 541
 QY 184 AlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeuLeuArgPro 203
 Db 542 GCGCGCTCTCAGAGCTACTCTGAGTTTCTACTCTTATTTGGACAGGCGCTTTTGGCCCT 601
 QY 204 AspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGluLeuPheHis 223
 Db 602 GACAGTGGCAAGGCGCTGGCTGTGGATGATGGAACCCCTTTTCTACTTCTGAACTGTTCAT 661
 QY 224 IleIleIleAspValThrSerProArgSerArgAspCysValAlaIleLeuAsnGlyMet 243
 Db 662 ATTATATAGATGTCCAGCCAGCAGAGAGAGAGACTGTGTGGCCATCTCTTAATGGGATG 721
 QY 244 IlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgAlaGlyMet 263
 Db 722 ATCTTCTCAAAGGACTGCAAGAATTGAAGCGTTGTGTGTGTGAGAGAGGCGGAGAAATG 781
 QY 264 VallysProGluSerLeuHisValProProGluThrLeuGlyGluGlyAsp 280
 Db 782 GTGAAGCA-GAGAGCCTCCATGT-CCCCCTGAAACATTAGGCGAAGGTGAC 830

RESULT 12

EX324788

LOCUS BX324788

DEFINITION BX324788 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA

ACCESSION BX324788

VERSION BX324788.2

KEYWORDS EST.

SOURCE Homo sapiens (human)

ORGANISM Homo sapiens

1001 bp mRNA linear EST 07-APR-2004
 clone CS0D1049Y809 5-PRIME, mRNA sequence.

GI:46271524

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
1 (bases 1 to 1001)
Li, W.B., Gruber, C., Jessee, J., and Polayes, D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 2, 2003 this sequence version replaced gi:30336406.
Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-oligo (dr) primer. Five prime
end enriched, double-strand cDNA was digested with Not I and cloned
into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
was normalized. Library was constructed by Life Technologies, a
division of Invitrogen. This sequence belongs to sequence cluster
6541.r

For more information about this cluster, see
http://www.genoscope.cns.fr/cdna?s=CS0A1049CA05QPI&c=6541.r.

Location/Qualifiers

1. 1001

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CS0D1049YB09"

/tissue type="PLACENTA COT 25-NORMALIZED"

/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"

/note="1st strand cDNA was primed with a NotI-oligo (dr)

primer. Five prime end enriched, double-strand cDNA was

digested with Not I and EcoR V sites of the pCMVSPORT 6

vector. Library was normalized."

sites of the pCMVSPORT 6 vector. Library was normalized."

source

Alignment Scores:

Pred. No.: 1.72e-144 Length: 1001

Score: 1431.50 Matches: 274

Percent Similarity: 98.56% Conservativity: 0

Best Local Similarity: 98.56% Mismatches: 4

Query Match: 94.93% Indels: 2

DB: 5 Gaps: 0

US-10-689-742-160 (1-280) x BX324788 (1-1001)

ORIGIN

1 MetGlnAlaLysTyrSerThrArgAspMetLeuAspAspGlyAspThrMet 20

45 ATGAGGCAAGTACAGGACGAGGACATGCTGGATGATGATGGGACACACCATG 104

21 SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgThrGluHis 40

105 AGCCTGCATTCTCAAGGCTCTGCCCAACTCGGCATCCAGAGCCCGCGCACAGAGCAC 164

41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuLeuVal 60

165 AGGGCTCCCTCTTCAACGTGGCGACAGTGGCCCTGACCCCTGCTGCTGGTG 224

61 LeuLeuLeuGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80

225 CTGCTGATAGGCTGGAGCCCTGGGGCTTTGTTTTCAGTACTACCACTCTCCAT 284

81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100

285 ACTGGTCAAGACACCATTTCTCAATGGAAGAAATAGGAAATACCTCCCAAGAGTTG 344

101 GlnSerLeuGlnValGlnAsnIleLeuAlaGlySerLeuGlnHisValAlaGluLys 120

345 CAATCTCTCAAGTCCAGATATAAGCTTCAGGAAGTCTGCAGACGTGGCTGAAAAA 404

121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140

405 CTCGTCTGAGCKGTATATCAAGCTGGAGCACACAGGTGACGCCCTTGTACAGACAA 464

141 TrpLysTrpHisGlyAspAsnCysThrGlnPheTyrLysAspSerLysSerTrpGluAsp 160

Db 465 TGGAAATGGCATGGAGACAATGTTACAGCTTCTATAAAGACAGACAAAGTTGGAGGAC 524

Qy 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGluAsp 180

Db 525 TGTAAATATTCTCGCCCTTAGTGAAGAACTCTACCATGCTGAAGATAAACAAGAGAC 584

Qy 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200

Db 585 CTGGAATTTGGCGGCTCTCAGAGCTACTCTGAGTTTTTCTACTCTATTGGACAGGGCTT 644

Qy 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220

Db 645 TTGGCCCTGACAGTGGCAAGCCCTGGCTGTGGATGATGAGACCCCTTTCACTTCTGAA 704

Qy 221 LeuPheHisIleIleLeuAspValThrSerProArgSerArgAspCysValAlaIleLeu 240

Db 705 CTGTTCCATATTATATAGATGTCAACGCCCAAGAGCAGAGACTGTGTGGCCATCTT 764

Qy 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArg 260

Db 765 AATGGATGATCTTCTCAAGGACTGCAAGAAATGAAGCGTTGTGTGTGAGAGAGG 824

Qy 261 AlaGlyMetValLysProGluSerLeuHisValProProGluThrLeuGlyGlu 278

Db 825 GCAGGAATGGTGAAGCA-GAGAGCCTCCATGT-CCCCCTGAACATTAGGCGAG 876

RESULT 13

BX399696

LOCUS

DEFINITION

ACCSSION

VERSION

KEYWORDS

SOURCE

ORGANISM

REFERENCE

AUTHORS

TITLE

JOURNAL

COMMENT

On May 13, 2003 this sequence version replaced gi:30617945.

Contact: Genoscope

Genoscope - Centre National de Sequencage

2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE

Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr

1st strand cDNA was primed with a NotI-oligo (dr) primer. Five prime

end enriched, double-strand cDNA was digested with Not I and cloned

into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library

was normalized. Library was constructed by Life Technologies, a

division of Invitrogen. This sequence belongs to sequence cluster

6541.r

For more information about this cluster, see

http://www.genoscope.cns.fr/cdna?s=CS0D1081BD12QPI&c=6541.r.

Location/Qualifiers

1. 958

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CS0D1081YG24"

/tissue type="PLACENTA COT 25-NORMALIZED"

/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"

/note="1st strand cDNA was primed with a NotI-oligo (dr)

primer. Five prime end enriched, double-strand cDNA was

digested with Not I and EcoR V sites of the pCMVSPORT 6 vector. Library

was normalized. Library was constructed by Life Technologies, a

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For more information about this cluster, see

http://www.genoscope.cns.fr/cdna?s=CS0D1081BD12QPI&c=6541.r.

Location/Qualifiers

1. 958

/organism="Homo sapiens"

/mol_type="mRNA"

/db_xref="taxon:9606"

/clone="CS0D1081YG24"

/tissue type="PLACENTA COT 25-NORMALIZED"

/clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"

/note="1st strand cDNA was primed with a NotI-oligo (dr)

primer. Five prime end enriched, double-strand cDNA was

digested with Not I and EcoR V sites of the pCMVSPORT 6 vector. Library

was normalized. Library was constructed by Life Technologies, a

ORIGIN

Alignment Scores:

Pred. No.: 1.53e-143 Length: 958

Score: 1422.50 Matches: 269

Percent Similarity: 98.53% Conservativity: 0

Best Local Similarity: 98.53% Mismatches: 2
 Query Match: 94.33% Indels: 2
 DB: 5 Gaps: 1

US-10-689-742-160 (1-280) x BX399696 (1-958)

```

QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspAspGlyAspThrThrMet 20
DB 57 ATGAGGCCAGTACAGCAGCAGGAGGACATGCTGGATGATGATGGGACACCAACATG 116
QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHis 40
DB 117 AGCTGTCATCTCAAGCTCTGCCACACTCGGCATCCAGAGCCCGGGGACAGAGCAC 176
QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
DB 177 AGGGCTCCCTCTTCAACGTGGGACGAGTGGCCCTGACCTCTGACATTTGTGCTGGTG 236
QY 61 LeuLeuLeuGlyLeuAlaLeuGlyLeuLeuPheGlnTyrTyrGlnLeuSerAsn 80
DB 237 CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTTTCAGTACTACAGCTCTCCAAT 296
QY 81 ThrGlyGlnAspThrIleSerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeu 100
DB 297 ACTGGTCAGACACCATTTCTCAATGGNAGAAAGATTAGGAATACGTCCTCCAGAGTTG 356
QY 101 GlnSerLeuGlnValGlnAsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLys 120
DB 357 CAATCTCTCAAGTCAGAAATATAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAAA 416
QY 121 LeuCysArgGluLeuTyrAsnLysAlaGlyAlaHisArgCysSerProCysThrGluGln 140
DB 417 CTCTGCTGAGCTGTATAAACAAGCTGGAGCACACAGGTGGAGCCCTTGTACAGAACAA 476
QY 141 TrpLysTrpHisGlyAspAsnCysTrpGlnPheTyrLysAspSerLysSerTrpGluAsp 160
DB 477 TGGAAATGGCATGGAGACATTTGCTACCAATTCATTAAGACAGCAAGATTGGAGGAGC 536
QY 161 CysLysTyrPheCysLeuSerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAsp 180
DB 537 TGTAATAATTTCTGCTTAGTGAAACTCTACCATGCTGAAGATAAACAACAAGAGAC 596
QY 181 LeuGluPheAlaAlaSerGlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeu 200
DB 597 CTGGAATTTGGCGCGCTCTCAGAGCTACTCTGAGTTTCTCTACTCTTATTGGACAGGCTT 656
QY 201 LeuArgProAspSerGlyLysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGlu 220
DB 657 TTGCGCCCTCAGACGTGGCAGGCTGGCTGGATGGATGGNACCCCTTTCACTTCTGAA 716
QY 221 LeuPheHisIleIleAlaAspValThrSerProArgSerArgAspCysValAlaIleLeu 240
DB 717 CTGTTCCATATTATATAGATGTCAACAGCCCAAGAGCAGAGACTGTGTGGCCATCCTT 776
QY 241 AsnGlyMetIlePheSerLysAspCysLysGluLeuLysArgCysValCysGluArgArg 260
DB 777 AATGGGATGATCTCTCAAGGACTGCAAGAAATTTGAAGCGTTGTGTCTGTGARAGAGG 836
QY 261 AlaGlyMetValLysPro-GluSerLeuHisValPro 272
DB 837 GCAGGAATGGTGAACAGAGAG-CTCCATGTGCCCC 870

```

RESULT 14
 LOCUS BX337172 1076 bp mRNA linear EST 07-APR-2004
 DEFINITION BX337172 Homo sapiens PLACENTA COT 25-NORMALIZED Homo sapiens cDNA
 clone CS0DI037YO21 5-PRIME, mRNA sequence.
 ACCESSION BX337172
 VERSION BX337172.2 GI:46265633
 KEYWORDS EST.
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

REFERENCE AUTHORS TITLE JOURNAL COMMENT

Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 1. (Bases 1 to 1076)
 Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
 Full-length cDNA libraries and normalization
 Unpublished (2001)
 On May 1, 2003 this sequence version replaced gi:30310588.
 Contact: Genoscope
 Genoscope - Centre National de Sequencage
 2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
 Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr
 1st strand cDNA was primed with a NotI-oligo(dT) primer. Five prime
 end enriched, double-strand cDNA was digested with Not I and cloned
 into the Not I and EcoR V sites of the pCMVSPORT 6 vector. Library
 was normalized. Library was constructed by Life Technologies, a
 division of Invitrogen. This sequence belongs to sequence cluster
 6541.r
 For more information about this cluster, see
 http://www.genoscope.cns.fr/cdna?e=CS0DI037AH11QPI&c=6541.r.

FEATURES source

1..1076
 Location/Qualifiers
 /organism="Homo sapiens"
 /mol_type="mRNA"
 /db_xref="taxon:9606"
 /clone="CS0DI037YO21"
 /tissue_type="PLACENTA COT 25-NORMALIZED"
 /clone_lib="Homo sapiens PLACENTA COT 25-NORMALIZED"
 /note="1st strand cDNA was primed with a NotI-oligo(dT)
 primer. Five prime end enriched, double-strand cDNA was
 digested with Not I and cloned into the Not I and EcoR V
 sites of the pCMVSPORT 6 vector. Library was normalized."

ORIGIN

Alignment Scores:
 Pred. No.: 4,16e-142 Length: 1076
 Score: 1410.00 Matches: 274
 Percent Similarity: 93.84% Conservative: 0
 Best Local Similarity: 93.84% Mismatches: 4
 Query Match: 93.50% Indels: 16
 DB: 5 Gaps: 1
 US-10-689-742-160 (1-280) x BX337172 (1-1076)
 QY 1 MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspAspGlyAspThrThrMet 20
 DB 52 ATGAGGCCAGTACAGCAGCAGGAGACATGCTGGATGATGATGGGACACCAACATG 111
 QY 21 SerLeuHisSerGlnAlaSerAlaThrArgHisProGluProArgArgThrGluHis 40
 DB 112 AGCTGTCATCTCAAGCTCTGCCACACTCGGCATCCAGAGCCCGGGGACAGAGCAC 171
 QY 41 ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuCysLeuVal 60
 DB 172 AGGGCTCCCTCTTCAACGTGGGACGAGTGGCCCTGACCTGCTGACTTTGTGCTGGTG 231
 QY 61 LeuLeuLeuGlyLeuAlaLeuGlyLeuLeu----- 71
 DB 232 CTGCTGATAGGGCTGGCAGCCCTGGGGCTTTTGTGTTAGTCTGACCTGGGGGA 291
 QY 72 -----PhePheGlnTyrTyrGlnLeuSerAsnThrGlyGlnAspThrIle 86
 DB 292 GGATCTCGTGGTCCAAAGTTTTTTCAGTACTACAGCTCTCCAATCTGCTCAAGACACCAT 351
 QY 87 SerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeuGlnValGln 106
 DB 352 TCTCAATGGAAGAAAGATTAGGAATACGTCCCAAGAGTTTGCAATCTCTTCAAGTCCAG 411
 QY 107 AsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeuTyr 126
 DB 412 AATATAAAGCTTGCAGGAAGTCTGCAGCATGTGGCTGAAAAAACTCTGCTGAGCTGAT 471
 QY 127 AsnLysAlaGlyAlaHisArgCysSerProCysThrGluGlnTyrLysTrpHisGlyAsp 146
 DB 472 AACAAAGCTGGAGCACACAGGTGACGCCCTTTGTACAGAACAAATGGAAATGGCATGGAGAC 531

Qy	147	AsnCysTyrGlnPheTyrLysaspSerIysSerTrpGluaspCysIysTyrPheCysLeu	166
Db	532	AATTGTCTACCGTTCTATAAAGACAGCAAAAGTTGGGAGGACTGTAATAATTTTCGCCTT	591
Qy	167	SerGluasnSerThrMetLeuLysIleAsnLysGlnGluaspLeuGluPheAlaIasEr	186
Db	592	AGTGAAAACCTCTACCATGCTGAAGATAAACAAACAAGACACTGGGAATTTGGCGGTCT	651
Qy	187	GlnSerTyrSerGluPhePheTyrSerTyrThrPheThrGlyLeuLeuArgProaspSerGly	206
Db	652	CAGAGCTACTCTGAGTTTTCTTACTCTTATTGGACAGGGCTTTTGGCCCTTGACAGTGGC	711
Qy	207	LysAlaTriPLeuTriPmetAspGlyThrProPheThrSerGluLeuPheHisIleIleIle	226
Db	712	NAGGCCCTGGCTGTGATGATGAAGAAC-CCTTTCACCTCTGACACGTTCATATATAATA	770
Qy	227	AspValThrSerProArgSerArgAspCysValAlaIleLeuAnGlyMetIlePheSer	246
Db	771	GATGTCAACCAGCCCCAAGAAGCACAGACTGTGTGGCCATCCTTAATGGGATGATCTTCTCA	830
Qy	247	LysAspCysLySGluLeuLysargCysValCysGluArgargAlaGlyMetValLysPro	266
Db	831	AAGGACTGCAAGAATTGAAGCGTTGTCTCTGAGAGAAGGGCAGGAATGGTGAAGCA-	889
Qy	267	GluSerLeuHiSvalProProGluThrLeuGlyGlu	278
Db	890	GAGAGCCTCCATGTCCCCCTGAAACATTAGGSAG	925

Pred. No.:	2,19e-140	Length:	964
Score:	1393.50	Matches:	265
Percent Similarity:	92.66%	Conservative:	0
Best Local Similarity:	92.66%	Mismatches:	6
Query Match:	92.41%	Indels:	15
DB:	5	Gaps:	2
US-10-689-742-160 (1-280) x BX339075 (1-964)			
Qy	1	MetGlnAlaLysTyrSerSerThrArgAspMetLeuAspAspGlyAspThrThrMet	20
Db	40	ATGCAGGCCAAAGTACAGCAGCACGAGGGACATGCTGGATGATGATGGGACACCA	99
Qy	21	SerLeuHisSerGlnAlaSerAlaThrThrArgHisProGluProArgThrGluHis	40
Db	100	AGCCTGCATCTTCAAGGCTCTGCACAACCTGGCATCCAGAGCCCCGGCGCACAGAC	159
Qy	41	ArgAlaProSerSerThrTrpArgProValAlaLeuThrLeuLeuThrLeuVal	60
Db	160	AGGCTCCCTCTTCAACGTGGCGCAGCTGGCCCTGACCCCTGCTGACTTTGTGCTGGT	219
Qy	61	LeuLeuLeuGlyLeuAlaAlaLeuGlyLeuLeu-----	71
Db	220	CTGTGATAGGGCTGGGCAGCCCTGGGGCTTTTGTGTAACTCTGCCTCTGACCTGGGGA	279
Qy	72	-----PhePheGlnTyrTyrGlnLeuSerAsnThrGlyGlnAspThrIle	86
Db	280	GGATCCTGGTCCAAGTTTTTTCAGTACTACCAAGCTCTCCAATACTGGTCAAGACACCAT	339
Qy	87	SerGlnMetGluGluArgLeuGlyAsnThrSerGlnGluLeuGlnSerLeuGlnValGln	106
Db	340	TCTCAAATGGAAGAAAGATTAGGAAATACGTCCTCCCAAGAGTTGCAATCTCTTCAAGTCCAG	399
Qy	107	AsnIleLysLeuAlaGlySerLeuGlnHisValAlaGluLysLeuCysArgGluLeuTyr	126
Db	400	AATATAAGCTTTCAGGAAGTCTGCAGCAGTGGCTGAAAACCTCTGTCGTGAGCTGAT	459
Qy	127	AsnLysAlaGlyAlaHisArgCysSerProCysThrGluGlnTrpLysTrpHisGlyAsp	146
Db	460	AACAAAGCTGGAGCACACAGGTGCAGCCCTTGTACAGAAACAATGGAAATGGCATGGAGAC	519
Qy	147	AsnCysTyrGlnPheTyrLysAspSerLysSerTrpGluAspCysLysLysTyrPheCysLeu	166
Db	520	AATTGCTACCAAGTCTATAAAGACAGCAAAAGTTGGAGGACTGTAAATATATTTTCGCTT	579
Qy	167	SerGluAsnSerThrMetLeuLysIleAsnLysGlnGluAspLeuGluPheAlaAlaSer	186
Db	580	AGTGAAAACTCTACCATGCTGAAGATAAACAAACAAGAAGACCTGCAATTTGCCGCGCTCT	639
Qy	187	GlnSerTyrSerGluPhePheTyrSerTyrTrpThrGlyLeuLeuArgProAspSerGly	206
Db	640	CAGAGCTACTCTGAGTTTTTTCTATCTTTATTTGGACAGGGCTTTTGGCCCTGACAGTGGC	699
Qy	207	LysAlaTrpLeuTrpMetAspGlyThrProPheThrSerGluLeuPheHisIleIleIle	226
Db	700	AAGCCTGGCTGTGATGGAATGGAACCCCTTTCACTTCTGAACCTGTTCCATATTATAATA	759
Qy	227	AspValThrSerProArgSerArgAspCysValAlaIleLeuAsnGlyMetIlePheSer	246
Db	760	GATGTCCACCAAGCCCAAGACAGACTGTGTGGCCATCTCTTAATGGGATGATCTTCTCA	819
Qy	247	LysAspCysLysGluLeuLysArgCysValCysGluArgAlaGlyMetValLysPro	266
Db	820	AAGACTGCAAGAAATTTGAACGTTGTGCTGTGAGAAAGGGCAGGATGGTGAAGCAGA	879
Qy	267	GluSerLeuHisValPro	272
Db	880	GAG---CTCCATGTCCTCC	894

Alignment Scores: